XR-C5300X/C5305/C5600X

SERVICE MANUAL

Ver 1.1 2001.05

US Model
Canadian Model
XR-C5300X/C5305

E Model
XR-C5600X

Photo: XR-C5300X

SPECIFICATIONS

Model Name Using Similar Mechanism	XR-C5100
Tape Transport Mechanism Type	MG-25F-136

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
19 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 1 % total harmonic distortion.

Other specifications

Cassette player section

Tape track	4-track 2-channel stereo
Wow and flutter	0.08 % (WRMS)
Frequency response	30 – 18,000 Hz
Signal-to-noise ratio	58 dB

Tuner section

FM

Tuning range	FM tuning interval: 50 kHz/200 kHz switchable 87.5 – 108.0 MHz (at 50 kHz step) 87.5 – 107.9 MHz (at 200 kHz step) (XR-C5600X) 87.5 – 107.9 MHz (XR-C5300X/C5305)
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz/450kHz
Usable sensitivity	8 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	66 dB (stereo), 72 dB (mono)
Harmonic distortion at 1 kHz	0.6 % (stereo), 0.3 % (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

AM (XR-C5300X/C5305)

Tuning range	530 – 1,710 kHz

MW (XR-C5600X)

Tuning range	MW tuning interval: 9 kHz/10 kHz switchable 531 – 1,602 kHz (at 9 kHz step) 530 – 1,710 kHz (at 10 kHz step)

SW (XR-C5600X)

Tuning range	SW tuning interval: SW1: 2,940 – 7,735 kHz SW2: 9,500 – 18,135 kHz (except for 10,140 – 11,575 kHz)
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	30 µV

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	50 W × 4 (at 4 ohms)

General

Outputs	Audio output Power antenna relay control lead Power amplifier control lead Telephone ATT control lead (XR-C5600X)
Tone controls	Bass ±9 dB at 100 Hz Treble ±9 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 × 50 × 183 mm (7 1/8 × 2 × 7 1/4 in.) (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 162 mm (7 1/4 × 2 1/8 × 6 1/2 in.) (w/h/d)
Mass	Approx. 1.2 kg (2 lb 10 oz)
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Card remote commander RM-X74 (1) (XR-C5600X)

Design and specifications are subject to change without notice.

FM/AM CASSETTE CAR STEREO

XR-C5300X/C5305

FM/MW/SW CASSETTE CAR STEREO

XR-C5600X

9-870-102-12
2001E0500-1
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Sony Corporation
e Vehicle Company
Shinagawa Tec Service Manual Production Group

SONY®

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Flexible Circuit Board Repairing

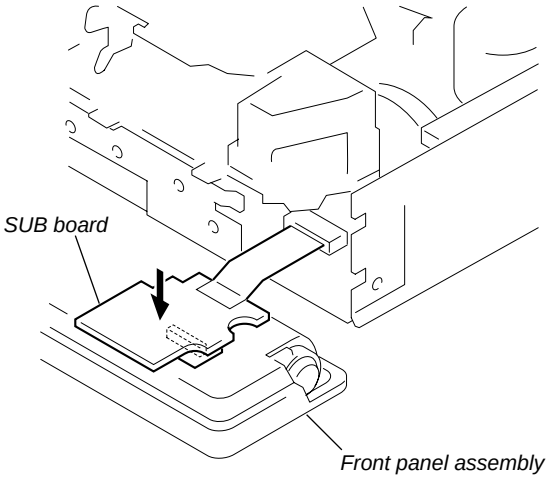
- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

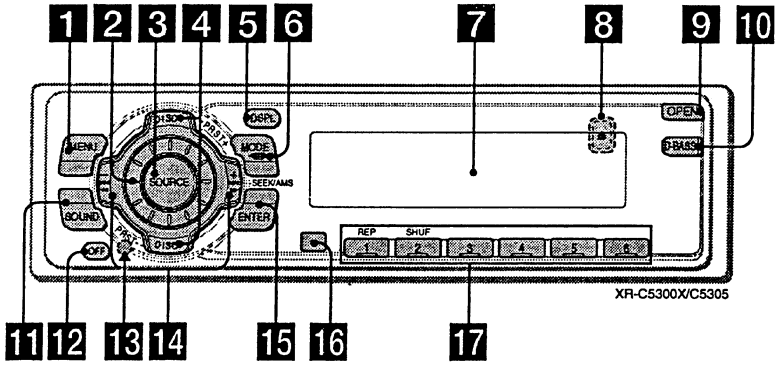
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SECTION 1
SERVICE NOTE

Please press on the sub board from above when checking it.
This assures that the connector does not lose contact.



Location of controls (XR-C5300X/C5305)



Refer to the pages listed for details.

1 MENU button
8, 10, 11, 12, 15, 17, 19

2 Volume control dial

3 SOURCE (TUNER/TAPE/CD/MD/TV) button 8, 9, 11, 12, 16, 18, 19, 20

4 PRST/DISC +/– (cursor up/down) buttons
8, 10, 11, 12, 15, 17, 18, 19
During radio reception:
Preset stations select 12
During CD/MD playback:
Disc change 17
During TV reception:
Band select 18

5 DSPL (display mode change) button
10, 16, 17

6 MODE button 9, 11, 12, 16, 18
During tape palyback:
Playback direction change 9
During radio reception:
BAND select 11
During CD/MD playback:
CD/MD unit select 16
During TV reception:
Unit select 18

7 Display window

8 ⏏ (eject) button (located on the front side of the unit behind the front panel) 9, 20

9 OPEN button 7, 9, 21

10 D-BASS button 16

11 SOUND button 15

12 OFF button* 7, 8, 9

13 Reset button (located on the front side of the unit behind the front panel) 7

14 SEEK/AMS –/+ (cursor left/right) buttons
8, 9, 10, 11, 12, 15, 17, 19, 20
Seek 11
Automatic Music Sensor 9, 17
Manual search 12, 17

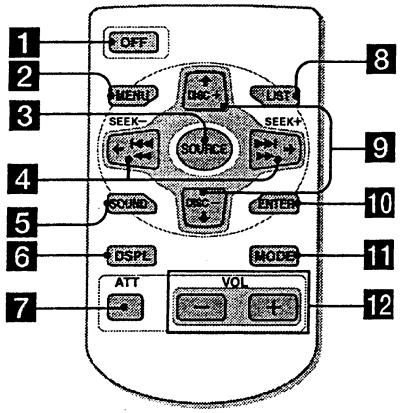
15 ENTER button
8, 10, 11, 12, 15, 17, 19, 20

16 Receptor for the card remote commander

17 Number buttons
During tape playback:
① REP 10
During radio reception
Preset number select 11, 12
During CD/MD playback:
① REP 18
② SHUF 18
During TV reception:
Preset number select 19

* **Warning when installing in a car without ACC (accessory) position on the ignition key switch**
Be sure to press (OFF) on the unit for two seconds to turn off the clock display after turning off the engine.
When you press (OFF) only momentarily, the clock display does not turn off and this causes battery wear.

Optional
Card remote commander RM-X91
(XR-C5300X/C5305)



The corresponding buttons of the card remote commander control the same functions as those on this unit.

1 OFF button

2 MENU button

3 SOURCE button

4 SEEK/AMS (cursor ←/→) button

5 SOUND button

6 DSPL button

7 ATT button

8 LIST button (Not available for this model)

9 DISC (cursor ↑/↓) button

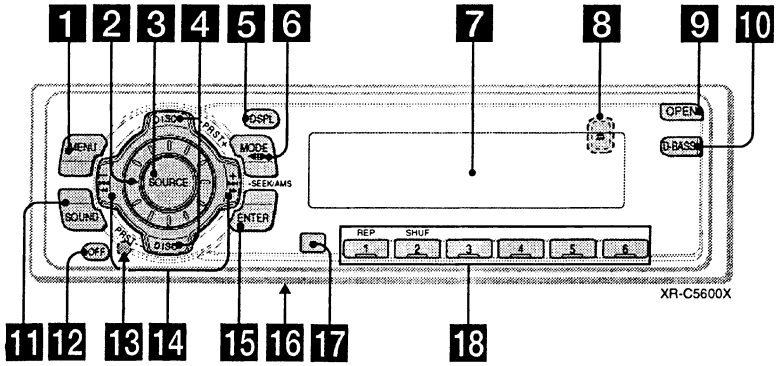
10 ENTER button

11 MODE button

12 VOL button

This section is extracted from instruction manual.

Location of controls (XR-C5600X)



Refer to the pages listed for details.

1 MENU button 9, 11, 12, 13, 16, 18

2 Volume control dial

3 SOURCE (TUNER/TAPE/CD*¹/MD*¹) button 8, 10, 12, 17

4 PRST/DISC +/– (cursor up/down) buttons 8, 9, 11, 12, 13, 16, 18
During radio reception:
Preset stations select 12
During CD/MD playback
Disc change 18

5 DSPL (display mode change) button 11, 17, 18

6 MODE button 10, 11, 12, 17
During tape playback:
Playback direction change 10
During radio reception:
BAND select 12
During CD/MD playback
CD/MD unit select 17

7 Display window

8 ⏏ (eject) button (located on the front sic of the unit behind the front panel) 10 le

9 OPEN button 7, 10, 20

10 D-BASS button 17

11 SOUND button 16

12 OFF button 7, 8, 10

13 Reset button (located on the front side of the unit behind the front panel) 7

14 SEEK/AMS –/+ (cursor left/right) buttons 8, 9, 10, 11, 12, 13, 16, 18
Seek 13
Automatic Music Sensor 10, 18
Manual search 13, 18

15 ENTER button 9, 11, 12, 13, 16, 18

16 Frequency select switch (located on the bottom of the unit)
See "Frequency select switch" in the Installation/Connections manual.

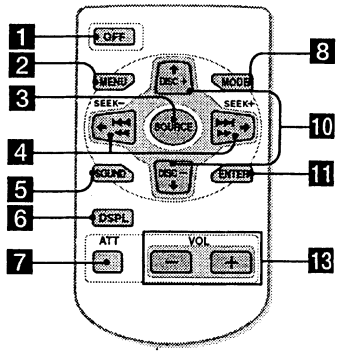
17 Receptor for the card remote commander

18 Number buttons
During radio reception:
Preset number select 12
During tape playback:
① REP 11
During CD/MD playback
① REP 19
② SHUF 19

* **Warning when installing in a car without ACC (accessory) position on the ignition key switch**
Be sure to press (OFF) on the unit for two seconds to turn off the clock display after turning off the engine.
When you press (OFF) only momentarily, the clock display does not turn off and this causes battery wear.

Card remote commander

XR-C5600X (supplied): RM-X74



The corresponding buttons of the card remote commander control the same functions as those on this unit.

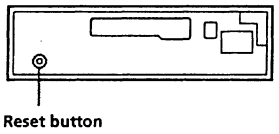
1 OFF button
2 MENU button
3 SOURCE button
4 SEEK/AMS (cursor ⬅/➡) button
5 SOUND button
6 DSPL button
7 ATT button
8 MODE button
10 DISC (cursor ⬆/⬇) button
11 ENTER button
13 VOL button

A unit turned off by pressing (OFF) for two seconds cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed or a casette is inserted to activate the unit first.

Getting Started

Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.
Remove the front panel and press the reset button with a pointed object, such as a ball-point pen.



Reset button

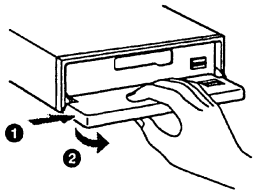
Note
Pressing the reset button will erase the clock setting, preset memory and some memorized functions.

Detaching the front panel

You can detach the front panel of this unit to protect the unit from being stolen.

1 **Press (OFF).**

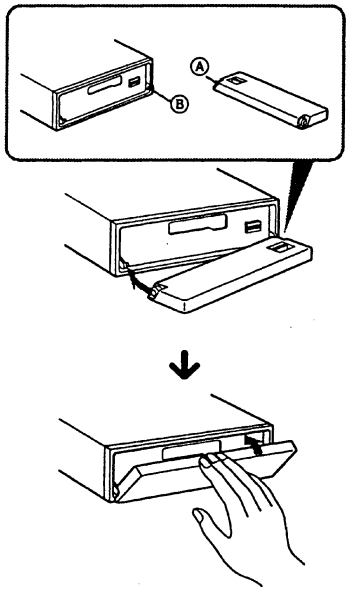
2 **Press (OPEN), then slide the front panel to the right side, and pull out from the left side.**



Notes
- *Be sure not to drop the panel when detaching it from the unit.*
- *If you detach the panel while the unit is still turned on, the power will turn off automatically to prevent the speakers from being damaged.*
- *When you carry the front panel with you, use the supplied front panel case.*

Attaching the front panel

Place the hole Ⓐ of the front panel onto the spindle Ⓑ on the unit as illustrated, then push the left side in.



Notes
- *Be careful not to attach the front panel upside down.*
- *Do not press the front panel too hard against the unit when attaching it.*
- *Do not press too hard or put excessive pressure on the display window of the front panel.*
- *Do not expose the front panel to direct sunlight or heat sources such as hot air ducts, and do not leave it in a humid place. Never leave it on the dashboard of a car parked in direct sunlight or where there may be a considerable rise in temperature.*

Caution alarm

If you turn the car ignition off without removing the front panel, the caution alarm will beep for a few seconds.
If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

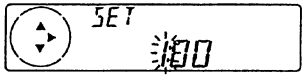
Setting the clock
(XR-C5300X/C5305)

The clock uses a 12-hour digital indication.

Example: To set the clock to 10:08

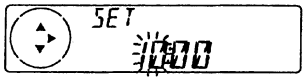
1 **Press (MENU), then press either side of (PRST/DISC) repeatedly until "CLOCK" appears.**

❶ **Press (ENTER).**

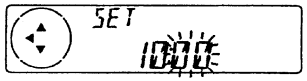


The hour indication flashes.

❷ **Press either side of (PRST/DISC) to set the hour.**

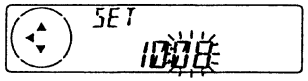


❸ **Press (+) side of (SEEK/AMS).**



The minute indication flashes.

❹ **Press either side of (PRST/DISC) to set the minute.**



2 **Press (ENTER).**

The clock starts.

After the clock setting is complete, the display returns to normal playback mode.

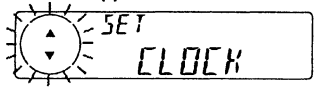
Tip
When the D.INFO mode is set to ON, the time is always displayed (page 15).

Setting the clock (XR-C5600X)

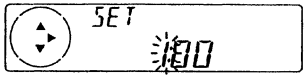
The clock uses a 12-hour digital indication.

Example: To set the clock to 10:08

1 **Press (MENU), then press either side of (PRST/DISC) or (PRST) repeatedly until "CLOCK" appears.**



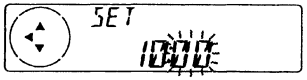
❶ **Press (ENTER).**



The hour indication flashes.

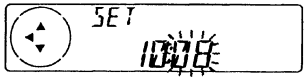
❷ **Press either side of (PRST/DISC) or (PRST) to set the hour.**

❸ **Press (+) side of (SEEK/AMS).**



The minute indication flashes.

❹ **Press either side of (PRST/DISC) or (PRST) to set the minute.**



2 **Press (ENTER).**

The clock starts.

After the clock setting is complete, the display returns to normal playback mode.

Tip
When the D.INFO mode is set to ON, the time is always displayed (page 16).

Installation
(XR-C5300X/C5305)

Precautions

- If you mount other Sony equipment with this unit, it is better to mount this unit in the lower position.
- There must be a distance of at least 15 cm between the cassette slot of the unit and shift lever in order to insert a cassette easily. Choose the installation location carefully so the unit does not interfere with gear shifting and other driving operations.
- Choose the installation location carefully so that the unit will not interfere with normal driving.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperatures, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 20°.

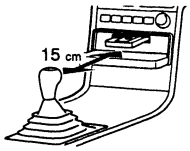
Installation

Précautions

- Si vous installez un autre équipement Sony avec cet appareil, il est préférable de monter cet appareil en position inférieure.
- Pour pouvoir introduire et éjecter aisément la cassette, il doit y avoir une distance d'au moins 15 cm entre le logement de la cassette de l'appareil et le levier de changement de vitesses. Choisir l'endroit de montage de telle façon que l'appareil ne gêne pas le maniement du levier de changement de vitesses ou toute autre opération de conduite.
- Choisir soigneusement l'emplacement d'installation pour que l'appareil ne gêne pas le chauffeur pendant la conduite.
- Éviter d'installer l'appareil dans un endroit exposé à des températures élevées, comme en plein soleil ou à proximité d'une bouche d'air chaud, ou à de la poussière, saleté ou vibrations violentes.
- Pour garantir un montage sûr, n'utiliser que le matériel fourni.

Réglage de l'angle de montage

Ajuster l'inclinaison à un angle inférieur à 20°.



How to detach and attach the front panel

Before installing the unit, detach the front panel.

A To detach

Before detaching the front panel, be sure to press (OFF). Press (OPEN), then slide the front panel to the right side, and pull out the left side.

B To attach

Place the hole Ⓐ in the front panel onto the spindle Ⓑ on the unit as illustrated, then push the left side in.

Retrait et pose de la façade

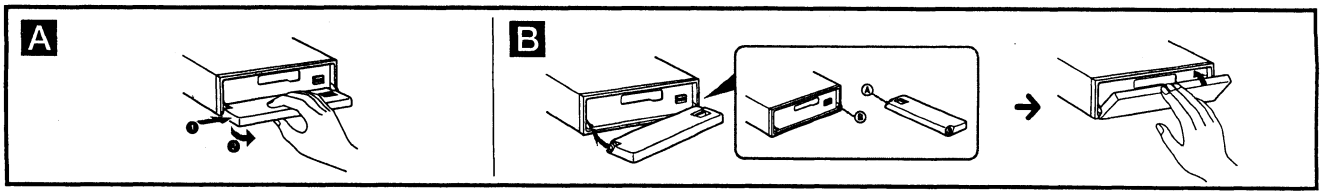
Avant d'installer l'appareil, déposer la façade.

A Pour retirer

Avant de retirer la façade, ne pas oublier d'appuyer d'abord sur (OFF). Appuyer sur (OPEN), puis faire glisser la façade vers la droite et la retirer par la gauche.

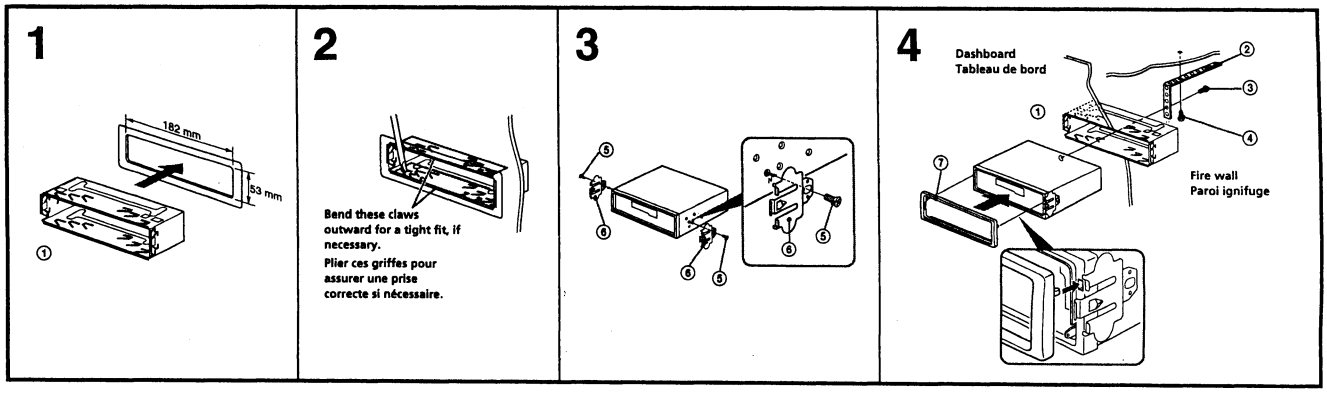
B Pour attacher

Introduire l'orifice Ⓐ de la façade dans le pivot Ⓑ de l'appareil comme illustré et pousser ensuite dessus vers la gauche.



Mounting example

Installation in the dashboard

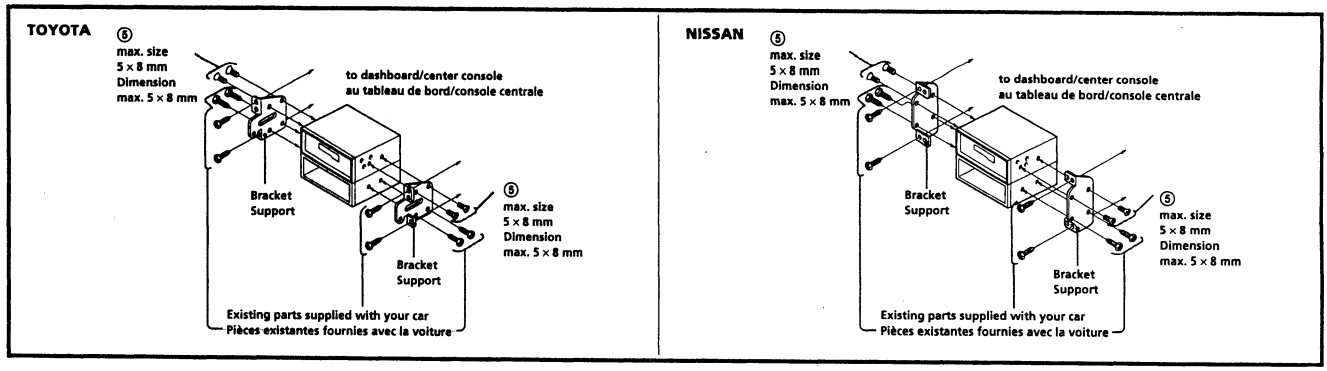


Exemple de montage

Installation dans le tableau de bord

Mounting the unit in a Japanese car

You may not be able to install this unit in some makes of Japanese cars. In such a case, consult your Sony dealer.



Installation de l'appareil dans une voiture japonaise

Cet appareil ne peut pas être installé dans certaines voitures japonaise. Consultez, dans ce cas, votre concessionnaire Sony.

Note

To prevent malfunction, install only with the supplied screws Ⓑ.

Remarque

Pour éviter tout dysfonctionnement, utilisez uniquement les vis Ⓑ pour le montage.

Installation (XR-C5600X)

Precautions

- If you mount other Sony equipment with this unit, it is better to mount this unit in the lower position.
- There must be a distance of at least 15 cm between the cassette slot of the unit and shift lever in order to insert a cassette easily. Choose the installation location carefully so the unit does not interfere with gear shifting and other driving operations.
- Choose the installation location carefully so that the unit will not interfere with normal driving.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperatures, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 20°.

How to detach and attach the front panel

Before installing the unit, detach the front panel.

A To detach

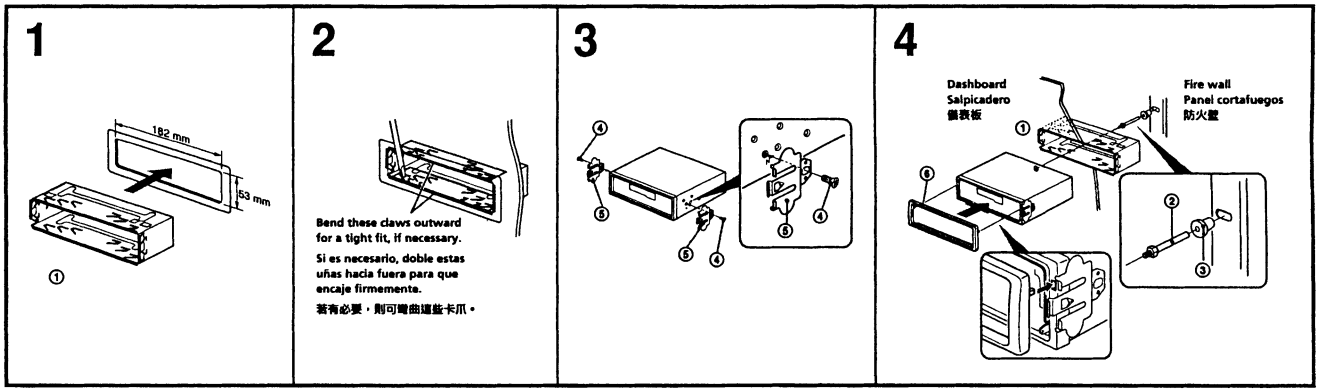
Before detaching the front panel, be sure to press (OFF). Press (OPEN), then slide the front panel to the right side, and pull out the left side.

B To attach

Place the hole Ⓐ in the front panel onto the spindle Ⓑ on the unit as illustrated, then push the left side in.

Mounting example

Installation in the dashboard



Mounting the unit in a Japanese car

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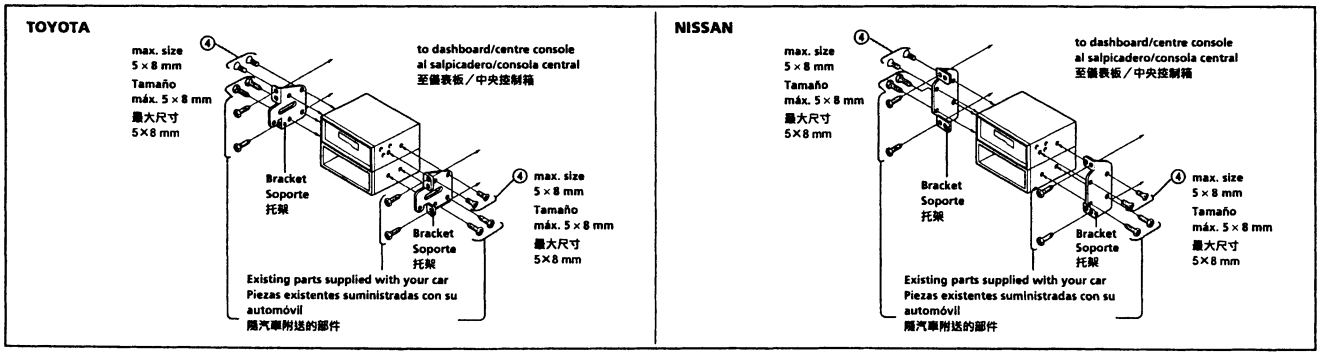


Note
To prevent malfunction, install only with the supplied screws ④.

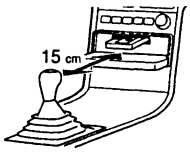
Instalación

Precauciones

- Si monta otro equipo Sony con esta unidad, es preferible montar esta unidad en la posición más baja.
- Para que sea posible insertar cassettes con facilidad, debe haber una distancia de al menos 15 cm entre la ranura de inserción de cassettes de la unidad y la palanca de cambios. Elija cuidadosamente el lugar de instalación de forma que la unidad no entorpezca las operaciones de cambio de marchas o de conducción en general.
- Elija cuidadosamente el lugar de montaje de forma que la unidad no interfiera las funciones normales de conducción.
- Evite instalar la unidad donde pueda quedar sometida a altas temperaturas, como a la luz solar directa o al aire caliente de calefacción, o a polvo, suciedad, o vibraciones excesivas.
- Para realizar una instalación segura y firme, utilice solamente la ferretería de montaje suministrada.

Ajuste del ángulo de montaje

Ajuste el ángulo de montaje a menos de 20°.



Forma de extraer e instalar el panel frontal

Antes de instalar la unidad, extraiga el panel frontal.

A Para extraerlo

Antes de extraer el panel frontal, ceriórese de presionar (OFF). Después presione (OPEN) a fin de abrirlo, después desíícelo hacia la derecha, y por último tire de su parte izquierda.

B Para instalarlo

Coloque el orificio Ⓐ del panel frontal en el eje Ⓑ de la unidad, como se muestra en la ilustración, y después presione la parte izquierda.

Ejemplo de montaje

Instalación en el salpicadero

Montaje de la unidad en un automóvil japonés

Usted no podrá instalar esta unidad en algunos automóviles japoneses. En tal caso, consulte a su proveedor Sony.

Nota
Para evitar que se produzcan fallos, realice la instalación solamente con los tornillos suministrados ④.

安裝

使用前注意事項

- 本機如果另外安裝有其他 Sony 牌設備時，最好把本機裝在較低位置。
- 在本機的卡帶槽口和變檔桿之間，至少需保持 15 cm 距離以便於裝插卡帶。請留心選擇安裝位置以便使機器不至於妨礙您排檔和其他駕車操作。
- 本機請放在不妨礙司機駕駛之處。
- 避免將本機放在高溫之處，如陽光直接照射、暖氣機前、或灰塵極多、髒亂，以及極易受震動等地方。
- 為了安全起見，安裝時請使用附送的部件。

安裝角度之調整

請在 20 度以內調整安裝角度。

如何拆卸和裝配前板

安裝本機之前，請先拆卸前板。

A 拆卸

拆卸前面板之前，須先按下 (OFF) 鍵。按下 (OPEN) 鍵，然後將前面板向右邊滑動而拉出其左邊。

B 裝配

如圖所示，將前板的 Ⓐ孔對準本機的支軸 Ⓑ，然後將左側推入聽到喀噠聲。

安裝示例

在儀表板中安裝

將本機安裝於日本產汽車上時

有的日本產汽車不能安裝本機，在這種情形下，請您向當地的 Sony 經銷商諮詢。

註
為防止發生故障，安裝時只能使用附送的螺絲 ④。

Connections

(XR-C5300X/C5305)

Caution

- This unit is designed for negative ground 12 V DC operation only.
- Be careful not to pinch any wires between a screw and the body of the car or this unit or between any moving parts such as the seat railing, etc.
- Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the **yellow** and **red** power input leads only after all other leads have been connected.
- Be sure to connect the red power input lead to the positive 12 V power terminal which is energized when the ignition key is in the accessory position.
- **Run all ground wires to a common ground point.**
- Connect the yellow cord to a free car circuit rated higher than the unit's fuse rating. If you connect this unit in series with other stereo components, the car circuit they are connected to must be rated higher than the sum of the individual component's fuse rating. If there are no car circuits rated as high as the unit's fuse rating, connect the unit directly to the battery. If no car circuits are available for connecting this unit, connect the unit to a car circuit rated higher than the unit's fuse rating in such a way that if the unit blows its fuse, no other circuits will be cut off.
- When installing a car without ACC (accessory) position on the ignition key switch, connect the red power input lead to the + 12 V power terminal which is energized at all times with the yellow lead.

Warning when installing in a car without ACC (accessory) position on the ignition key switch

Be sure to press (OFF) on the unit for two seconds to turn off the clock display after turned off the engine.
When you press (OFF) momentarily, the clock display does not turn off and this causes battery wear.

Reset button

When the installation and connections are complete, be sure to press the reset button with a ball-point pen, etc.

Connexions

Précautions

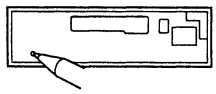
- Cet appareil est exclusivement conçu pour fonctionner sur une tension de 12 V CC avec masse négative.
- Veiller à ne pas coincer de fils entre une vis et la carrosserie de la voiture ou cet appareil ou encore entre des pièces mobiles comme les glissières des sièges, etc.
- Avant d'effectuer les connexions, débrancher la borne de terre de la batterie du véhicule pour éviter tout court-circuit.
- Brancher les fils d'entrée d'alimentation **jaune** et **rouge** seulement après avoir terminé tous les autres branchements.
- Veiller à ne pas raccorder le fil rouge d'entrée d'alimentation à la borne positive de 12 V qui est alimentée quand la clé de contact est sur la position accessoires.
- **Rassembler tous les fils de terre en un point de masse commun.**
- Brancher le câble jaune à un circuit libre de la voiture dont la capacité nominale est supérieure à la capacité du fusible de l'appareil. Si vous branchez cet appareil en série avec d'autres composants stéréo, le circuit de la voiture auquel ils sont raccordés doit afficher une capacité nominale supérieure à la somme des capacités individuelles de chaque composant. S'il n'y a pas de circuits de voiture affichant une capacité égale à la capacité du fusible de l'appareil, brancher l'appareil directement à la batterie. Si aucun circuit de voiture n'est disponible pour connecter cet appareil, brancher l'appareil à un circuit de voiture supérieur à la capacité du fusible de l'appareil de telle sorte que si l'appareil grille son fusible, aucun autre circuit ne soit coupé.
- En cas d'installation dans une voiture dont le contact ne comporte pas de position ACC (accessoires), brancher le fil d'entreé d'alimentation rouge à la borne + 12 V qui est alimenteé en permanence par le fil jaune.

Avertissement en cas d'installation dans une voiture dont le contact ne comporte pas de position ACC (accessoires)

N'oubliez pas d'appuyer sur le bouton (OFF) de l'appareil pendant deux secondes après avoir coupé le moteur de façon à désactiver l'affichage de l'horloge.
Si vous appuyez brièvement sur (OFF), l'affichage de l'horloge n'est pas désactivé, ce qui provoque une usure de la batterie.

Touche de réinitialisation

Quand l'installation et les connexions sont terminées, appuyer sur la touche de réinitialisation avec un stylo à bille, etc.



Connections (XR-C5600X)

Cautions

- This unit is designed for negative earth 12 V DC operation only.
- Be careful not to pinch any wires between a screw and the body of the car or this unit or between any moving parts such as the seat railing, etc.
- Before making connections, disconnect the earth terminal of the car battery to avoid short circuits.
- Connect the **yellow** and **red** power input leads only after all other leads have been connected.
- Be sure to connect the red power input lead to the positive 12 V power terminal which is energized when the ignition key is in the accessory position.
- **Run all earth wires to a common earth point.**
- Connect the yellow cord to a free car circuit rated higher than the unit's fuse rating. If you connect this unit in series with other stereo components, the car circuit they are connected to must be rated higher than the sum of the individual component's fuse rating. If there are no car circuits rated as high as the unit's fuse rating, connect the unit directly to the battery. If no car circuits are available for connecting this unit, connect the unit to a car circuit rated higher than the unit's fuse rating in such a way that if the unit blows its fuse, no other circuits will be cut off.
- When installing a car without ACC (accessory) position on the ignition key switch, connect the red power input lead to the +12V power terminal which is energized at all times with the yellow lead.

Warning when installing in a car without ACC (accessory) position on the ignition key switch

Be sure to press (OFF) on the unit for two seconds to turn off the clock display after turned off the engine.
When you press (OFF) momentarily, the clock display does not turn off and this causes battery wear.

Frequency select switch (XR-C5600X)

The MW (FM) tuning interval is factory-set to the 9K (50 K) position. If the frequency allocation system of your country is based on 10 kHz (200 kHz) interval, set the switch on the bottom of the unit to the 10 K (200 K) position before making connections.

Reset button

When the installation and connections are complete, be sure to press the reset button with a ballpoint pen etc.

Conexiones

Precauciones

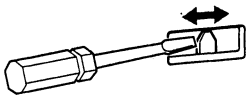
- Esta unidad ha sido diseñada para alimentarse con 12 V CC, negativo a masa, solamente.
- Tenga cuidado de no atrapar ningún cable entre algún tornillo y la carrocería del automóvil o esta unidad o entre las partes móviles, como por ejemplo los rafles del asiento, etc.
- Antes de realizar las conexiones, desconecte el terminal de puesta a masa de la batería del automóvil a fin de evitar cortocircuitos.
- Conecte los cables de entrada de alimentación **amarillo** y **rojo** solamente después de haber conectado los demás.
- Cerciórese de conectar el cable de entrada de alimentación rojo a un terminal de 12 V positivo que se energice al poner la llave de encendido en la posición para accesorios.
- **Conecte todos los conductores de puesta a masa a un punto común.**
- Conecte el cable amarillo a un circuito libre del automóvil que tenga una capacidad superior a la del fusible de la unidad. Si conecta esta unidad en serie con otros componentes estereofónicos, el circuito del automóvil al que se encuentran conectados debe tener una capacidad superior a la de la suma de las capacidades de los fusibles de cada componente. Si ningún circuito del automóvil tiene una capacidad tan alta como la del fusible de la unidad, conecte ésta directamente a la batería. Si el automóvil no dispone de ningún circuito para conectar esta unidad, conéctela a un circuito del automóvil con capacidad superior a la del fusible de la unidad, de forma que si se funde el fusible de ésta, no se interrumpa ningún otro circuito.
- Si realiza la instalación en un automóvil que no disponga de posición ACC (auxiliar) en el interruptor de la llave de encendido, conecte el cable rojo de entrada de alimentación al terminal de alimentación de +12V que recibe energía permanentemente; para ello, utilice el cable amarillo.

Advertencia sobre la instalación en un automóvil que no disponga de posición ACC (accesorio) en el interruptor de la llave de encendido

Asegúrese de presionar (OFF) en la unidad durante dos segundos para desactivar la indicación del reloj una vez apagado el motor.
Si presiona (OFF) momentáneamente, la indicación del reloj no se desactivará y esto causará el desgaste de la batería.

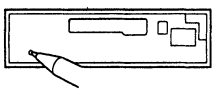
Selector de frecuencia (XR-C5600X)

El intervalo de sintonía de MW (FM) ha sido ajustado en fábrica a la posición 9 K (50 K). Si el sistema de asignación de frecuencias de su país se basa en el intervalo de 10 kHz (200 kHz), ponga este selector, situado en la base de la unidad, en la posición 10 K (200 K) antes de realizar las conexiones.



Botón de restauración

Cuando finalice la instalación y las conexiones, cerciórese de pulsar el botón de restauración con un bolígrafo, etc.



線路連接

注意

- 本機只能使用負極接地 12 V 直流電源。
- 小心別使任何導線夾緊在螺栓和車身或本機間，也不夾緊在任何活動部件諸如座椅扶手間等。
- 連接前，先拔去汽車電池的接地端子，以免發生短路。
- **黃色**和**紅色**電源輸入導線必須在所有其它導線都連接完畢以後才連接。
- 紅色電源導線務請連接至 + 12 V 電源端子，該電源端子在汽車發動機點火鑰匙處於輔助位置時才通電。
- **將所有地線都連接到同一地點。**
- 將黃色導線連接到大於本機保險絲額定容量的未佔用的汽車電路上。若將本機和其它立體聲裝置相互串聯，所連接的汽車電路容量必須大於各組成機保險絲容量的總和。
  若沒有與本機保險絲額定容量一樣大的汽車電路可資利用，可將本機直接連接到電池上。若無適當的汽車電路可用於連接本機，請將本機連接到大於本機保險絲容量的汽車電路上。這樣，若本機的保險絲燒斷了，也不致於切斷其它電路。
- 當在發動機點火鑰匙開關沒具ACC（輔助）位置的汽車里安裝時，請連接紅色電源輸入導線至啟時通電的帶黃色導線的+12V電源端子。

當在點火鑰匙開關沒具輔助位置的汽車里按裝時的警告

請確認在關閉發動機後按壓 (OFF) 鍵兩秒鐘以關閉時鐘顯示。
當您短暫按壓 (OFF) 鍵，時鐘顯示將不能關閉並且將引起電池消耗。

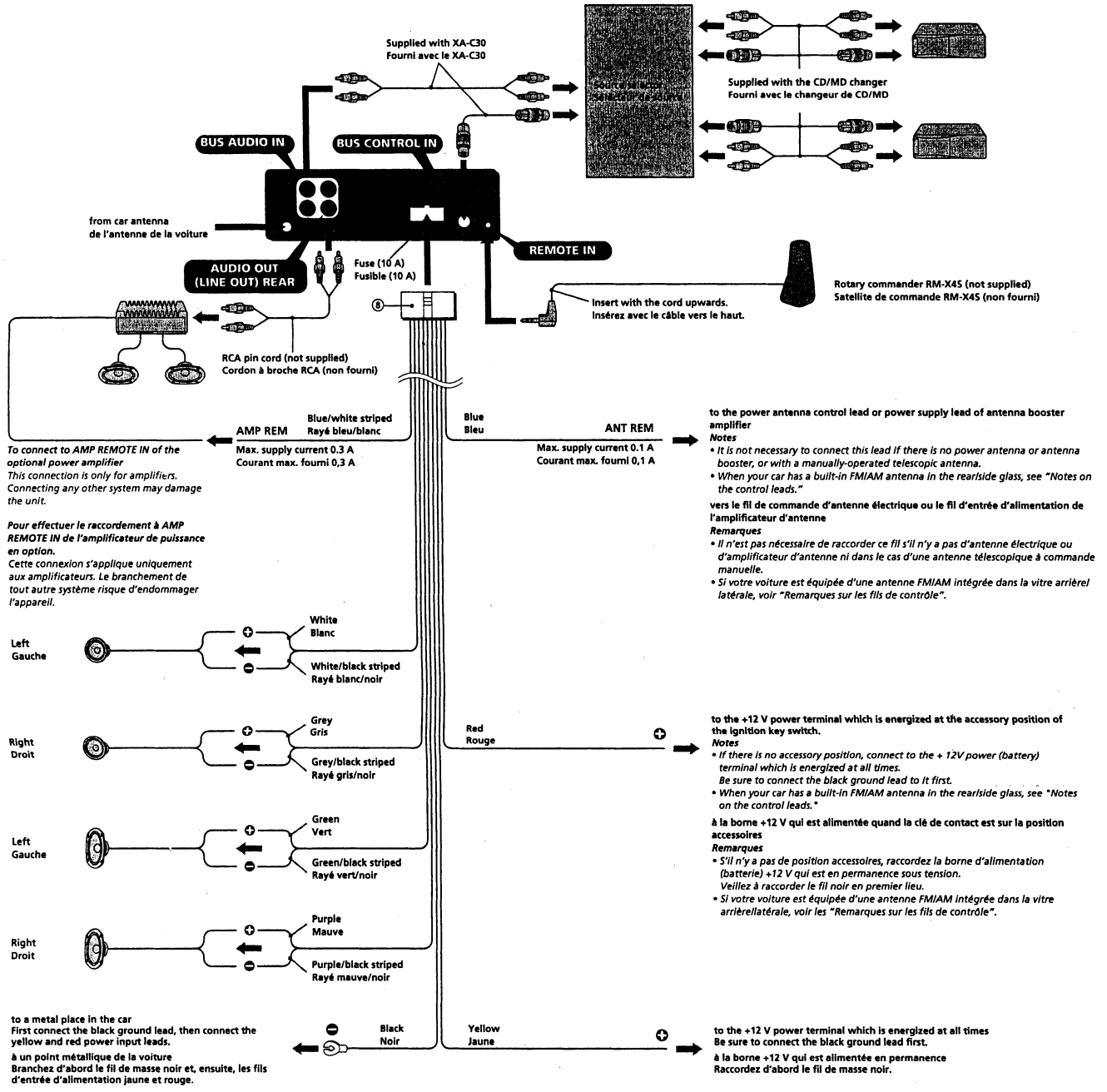
頻率選擇開關 (XR-C5600X)

MW (FM) 調諧間隔在出廠前被設定在 9 K (50 K) 位置上。若貴國的頻率分配系統是以 10 KHz (200 KHz) 間隔為基礎的，連接前，請將本機底部上的開關設定在 10 K (200 K) 位置上。

復位鍵

當安裝和連接完成後，務請用圓珠筆等按壓復位鍵。

Connection example
Exemple de raccordement
(XR-C5300X/C5305)



To connect to AMP REMOTE IN of the optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.

Pour effectuer le raccordement à AMP REMOTE IN de l'amplificateur de puissance en option.
Cette connexion s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.

to the power antenna control lead or power supply lead of antenna booster amplifier
Notes
- *It is not necessary to connect this lead if there is no power antenna or antenna booster, or with a manually-operated telescopic antenna.*
- *When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control leads."*

vers le fil de commande d'antenne électrique ou le fil d'entrée d'alimentation de l'amplificateur d'antenne
Remarques
- *Il n'est pas nécessaire de raccorder ce fil s'il n'y a pas d'antenne électrique ou d'amplificateur d'antenne ni dans le cas d'une antenne télescopique à commande manuelle.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir "Remarques sur les fils de contrôle".*

to the +12 V power terminal which is energized at the accessory position of the ignition key switch.
Notes
- *If there is no accessory position, connect to the + 12V power (battery) terminal which is energized at all times. Be sure to connect the black ground lead to it first.*
- *When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control leads."*

à la borne +12 V qui est alimentée quand la clé de contact est sur la position accessoires
Remarques
- *S'il n'y a pas de position accessoires, raccordez la borne d'alimentation (batterie) +12 V qui est en permanence sous tension. Veillez à raccorder le fil noir en premier lieu.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir les "Remarques sur les fils de contrôle".*

to a metal place in the car
First connect the black ground lead, then connect the yellow and red power input leads.
à un point métallique de la voiture
Branchez d'abord le fil de masse noir et, ensuite, les fils d'entrée d'alimentation jaune et rouge.

to the +12 V power terminal which is energized at all times
Be sure to connect the black ground lead first.
à la borne +12 V qui est alimentée en permanence
Raccordez d'abord le fil de masse noir.

Notes on the control leads
- *The power antenna control lead (blue) supplies +12 V DC when you turn on the tuner or when you activate the ATA (Automatic Tuner Activation) function.*
- *A power antenna without relay box cannot be used with this unit.*
- *When your car has a built-in FM/AM antenna in the rear/side glass, it is necessary to connect the power antenna control lead (blue) or the accessory power input lead (red) to the power terminal of the existing antenna booster. For details, consult your dealer.*

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.

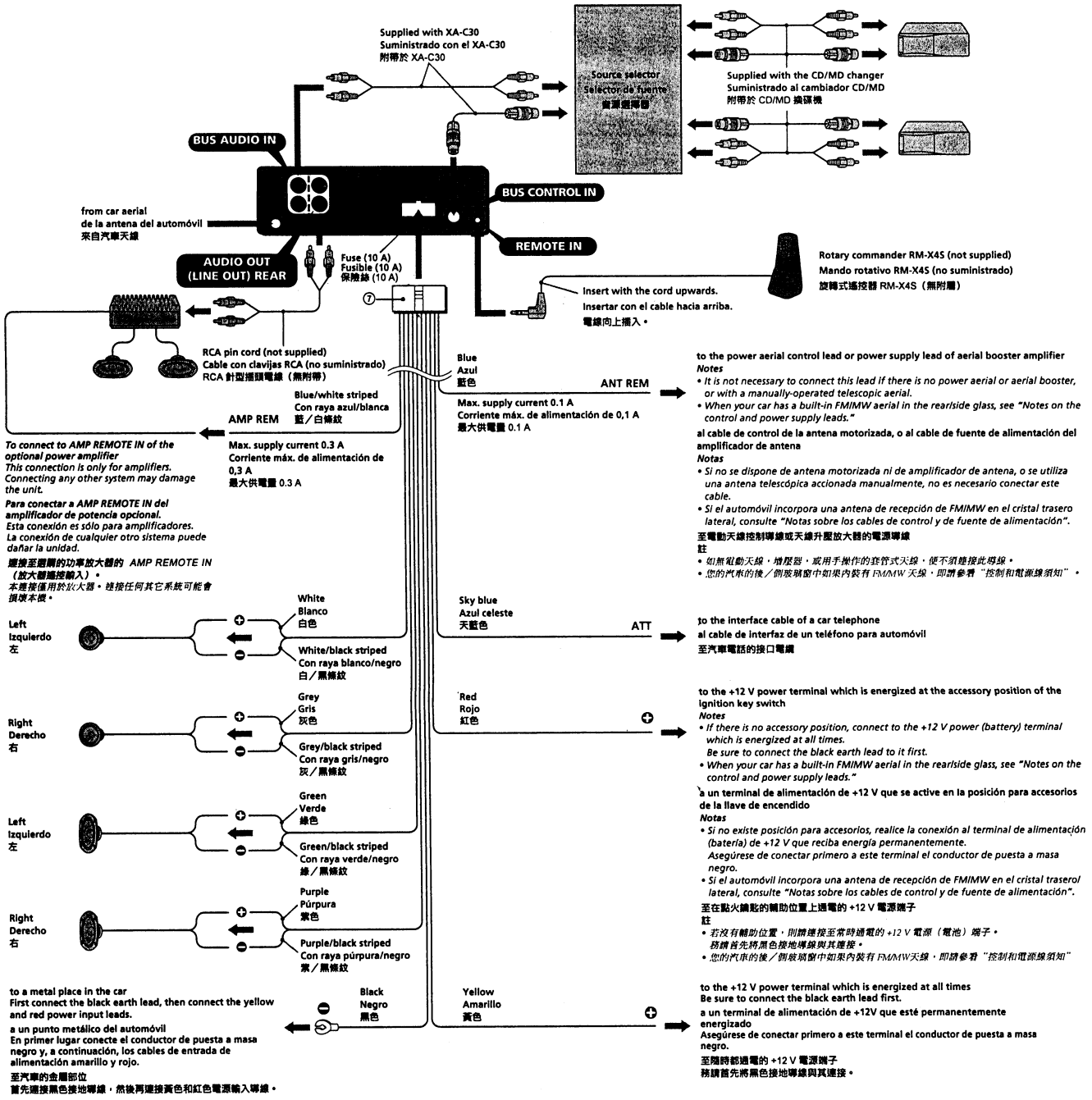
Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.*
- *Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Be sure to connect passive speakers to these terminals.*

Remarques sur les fils de contrôle
- *Le fil de commande de l'antenne électrique (bleu) fournit une alimentation de + 12 V CC lorsque vous mettez le syntoniseur sous tension ou que vous sélectionnez la fonction d'activation automatique (ATA) de la radio.*
- *Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, vous devez raccorder le fil de commande d'antenne électrique (bleu) ou le fil d'entrée d'alimentation d'accessoire (rouge) à la borne d'alimentation de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre revendeur.*

Connexion pour la conservation de la mémoire
Lorsque le fil d'entrée d'alimentation jaune est raccordé, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

Remarques sur la connexion des haut-parleurs
- *Avant de raccorder les haut-parleurs, mettre l'appareil hors tension.*
- *Utiliser des haut-parleurs ayant une impédance de 4 à 8 ohms et une capacité adéquate sous peine de les endommager.*
- *Ne pas raccorder pas les bornes du système de haut-parleur au châssis de la voiture, et ne pas connecter les bornes du haut-parleur droit à celles du haut-parleur gauche.*
- *Ne pas tenter de raccorder les haut-parleurs en parallèle.*
- *Ne pas connecter de haut-parleurs actifs (équipés d'un amplificateur intégré) aux bornes de haut-parleur de l'appareil. Les haut-parleurs actifs risquent sinon d'être endommagés. Veiller par conséquent à raccorder des haut-parleurs passifs à ces bornes.*

Connection example
Ejemplo de conexiones
線路連接圖例
(XR-C5600X)



To connect to AMP REMOTE IN of the optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.

Para conectar a AMP REMOTE IN del amplificador de potencia opcional.
Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.

連接至選購的功率放大器的 AMP REMOTE IN（放大器遙控輸入）。
本連接僅用於放大器。連接任何其它系統可能會損壞本機。

to the power aerial control lead or power supply lead of aerial booster amplifier
Notes
- *It is not necessary to connect this lead if there is no power aerial or aerial booster, or with a manually-operated telescopic aerial.*
- *When your car has a built-in FM/MW aerial in the rear/side glass, see "Notes on the control and power supply leads."*

al cable de control de la antena motorizada, o al cable de fuente de alimentación del amplificador de antena
Notas
- *Si no se dispone de antena motorizada ni de amplificador de antena, o se utiliza una antena telescópica accionada manualmente, no es necesario conectar este cable.*
- *Si el automóvil incorpora una antena de recepción de FM/MW en el cristal trasero lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".*

至電動天線控制導線或天線升壓放大器的電源導線
註
- *如無電動天線，增壓器，或用手操作的套管式天線，便不須連接此導線。*
- *您的汽車的後／側玻璃窗中如果內裝有 FM/MW 天線，即請參看 "控制和電源線須知"。*

to the interface cable of a car telephone
al cable de interfaz de un teléfono para automóvil
至汽車電話的接口電纜

to the +12 V power terminal which is energized at the accessory position of the ignition key switch
Notes
- *If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times.*
  Be sure to connect the black earth lead to it first.
- *When your car has a built-in FM/MW aerial in the rear/side glass, see "Notes on the control and power supply leads."*

a un terminal de alimentación de +12 V que se active en la posición para accesorios de la llave de encendido
Notas
- *Si no existe posición para accesorios, realice la conexión al terminal de alimentación (batería) de +12 V que reciba energía permanentemente.*
  Asegúrese de conectar primero a este terminal el conductor de puesta a masa negro.
- *Si el automóvil incorpora una antena de recepción de FM/MW en el cristal trasero/ lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".*

至在點火鑰匙的輔助位置上通電的 +12 V 電源端子
註
- *若沒有輔助位置，則請連接至常時通電的 +12 V 電源（電池）端子。*
  務請首先將黑色接地導線與其連接。
- *您的汽車的後／側玻璃窗中如果內裝有 FM/MW 天線，即請參看 "控制和電源線須知"。*

to a metal place in the car
First connect the black earth lead, then connect the yellow and red power input leads.
a un punto metálico del automóvil
En primer lugar conecte el conductor de puesta a masa negro y, a continuación, los cables de entrada de alimentación amarillo y rojo.
至汽車的金屬部位
首先連接黑色接地導線，然後再連接黃色和紅色電源輸入導線。

to the +12 V power terminal which is energized at all times
Be sure to connect the black earth lead first.
a un terminal de alimentación de +12V que esté permanentemente energizado
Asegúrese de conectar primero a este terminal el conductor de puesta a masa negro.
至隨時都通電的 +12 V 電源端子
務請首先將黑色接地導線與其連接。

Notes on the control leads
- *The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner or when you activate the ATA (Automatic Tuner Activation) function.*
- *A power aerial without a relay box cannot be used with this unit.*
- *When your car has a built-in FM/MW aerial in the rear/side glass, it is necessary to connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details, consult your dealer.*

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition key is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.*
- *Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Be sure to connect passive speakers to these terminals.*

Notas sobre conductores de control
- *El conductor de control (azul) de la antena motorizada suministra + 12 V CC al activar el sintonizador o la función ATA (activación automática del sintonizador).*
- *Con esta unidad no podrá utilizarse una antena motorizada sin caja de relés.*
- *Si se ha instalado una antena de recepción de FM/MW en el cristal trasero lateral del automóvil, es necesario conectar el cable de control de la antena motorizada (azul) o el cable auxiliar de entrada de alimentación (rojo) al terminal de alimentación del amplificador de antena existente. Para obtener información detallada, consulte a su proveedor.*

Conexión para protección de la memoria
Si conecta el cable de entrada de alimentación amarillo, el circuito de la memoria siempre recibirá alimentación, aunque ponga la llave de encendido en la posición de apagado.

Notas sobre la conexión de los altavoces
- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 ohmios, y con la potencia admisible adecuada, ya que de lo contrario podría dañarlos.*
- *No conecte los terminales del sistema de altavoces al chasis del automóvil, ni los del altavoz derecho a los del izquierdo.*
- *No intente conectar los altavoces en paralelo.*
- *No conecte altavoces activos (con amplificadores incorporados) a los terminales de altavoces de la unidad. Si lo hiciese, podría dañar tales altavoces. Por lo tanto, cerciórese de conectar altavoces pasivos a estos terminales.*

關於控制導線的注意事項
- *打開調諧器或激活 ATA（自動調諧器激活）功能時，電動天線控制導線（藍色）將提供 +12 V 直流電。*
- *本機不能使用不具備繼電箱的電動天線。*
- *您的汽車的後／側玻璃窗中如果內裝有 FM/MW 天線，即請把電動天線控制導線（藍色）或輔助的電源輸入導線（紅色）連接到現有的天線增壓器的電源端子上。詳細內容，請洽詢交易店。*

保持記憶功能的連接法
當連接好黃色電源輸入導線時，即使汽車發動機點火鑰匙被轉在電源切斷之處，電源仍繼續將電流供給記憶功能用電路，以保持所記憶著的數據。

連接揚聲器時的注意事項
- *連接揚聲器電線之前，請先切斷本機電源。*
- *請使用 4 至 8 Ω 阻抗並具有足夠功率的揚聲器。否則會損壞揚聲器。*
- *不可將揚聲器的端子連接至汽車底盤，也不可將左揚聲器和右揚聲器相連接。*
- *揚聲器不可平行連接。*
- *不可連接有源揚聲器（內裝有放大器者）至本機的揚聲器端子。否則會損壞有源揚聲器。因此，這些端子只能連接無源揚聲器。*

(XR-C5300X/C5305)

Connection diagram
Schémas de connexion

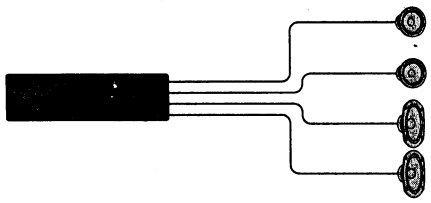
Equipment used in illustrations (not supplied)
Appareils utilisés dans lès illustrations (non fournis)

- Front speaker / Haut-parleur frontal
- Power amplifier / Amplificateur de puissance
- TV monitor / Moniteur de la télévision
- Rear speaker / Haut-parleur arrière
- CD/MD changer / Changeur de CD/MD

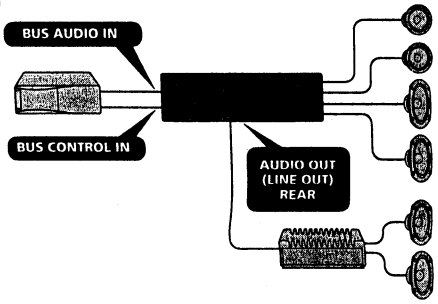
For connecting two or more changers, the source selector XA-C30 (optional) is necessary.

Dans le cas du raccordement de deux changeurs ou plus, le sélecteur de source XA-C30 (optionnel) est indispensable.

A



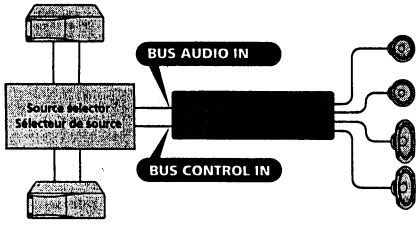
B



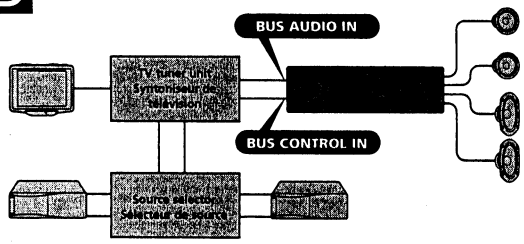
Notes
- *Be sure to connect the ground cord before connecting the amplifier.*
- *If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.*

Remarques
- *Raccordez d'abord le fil de masse avant de connecter l'amplificateur.*
- *Si vous raccordez un amplificateur de puissance et que vous n'utilisez pas l'amplificateur intégré, le bip sonore est désactivé.*

C



D



(XR-C5600X)

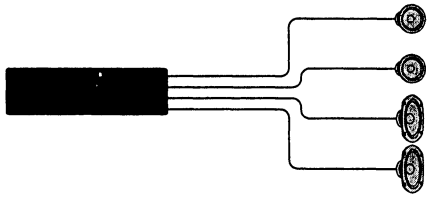
Connection diagram
Diagramas de conexión
線路連接圖

Equipment used in illustrations (not supplied)
Equipo utilizado en las ilustraciones (no suministrado)
插圖中的裝置（無附帶）

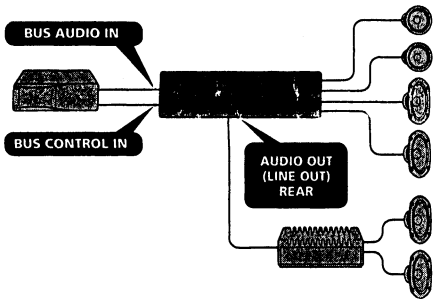
- Front speaker / Altavoz delantero / 前揚聲器
- Power amplifier / Amplificador de potencia / 功率放大器
- Rear speaker / Altavoz trasero / 後揚聲器
- CD/MD changer / Cambiador de CD/MD / CD/MD 換碟機

For connecting two or more changers, the source selector XA-C30 (optional) is necessary.
Cuando desee conectar dos o más cambiadores, necesitará un selector de fuente XA-C30 (opcional).
若要連接 2 組或 2 臺以上換碟機時，必須使用音源選擇器 XA-C30（選購件）

A



B

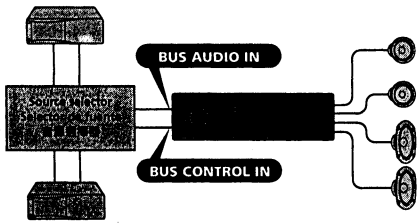


Notes
- *Be sure to connect the earth cord before connecting the amplifier.*
- *If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.*

Notas
- *Asegúrese de conectar primero el cable de puesta a masa antes de realizar la conexión al amplificador.*
- *Si conecta un amplificador de potencia opcional y no utiliza el incorporado, los pitidos se desactivarán.*

註
- *務必在接放大器之前連接地線。*
- *如果您連接了選購件的功率放大器而不使用內裝的放大器，將無嗶聲功能。*

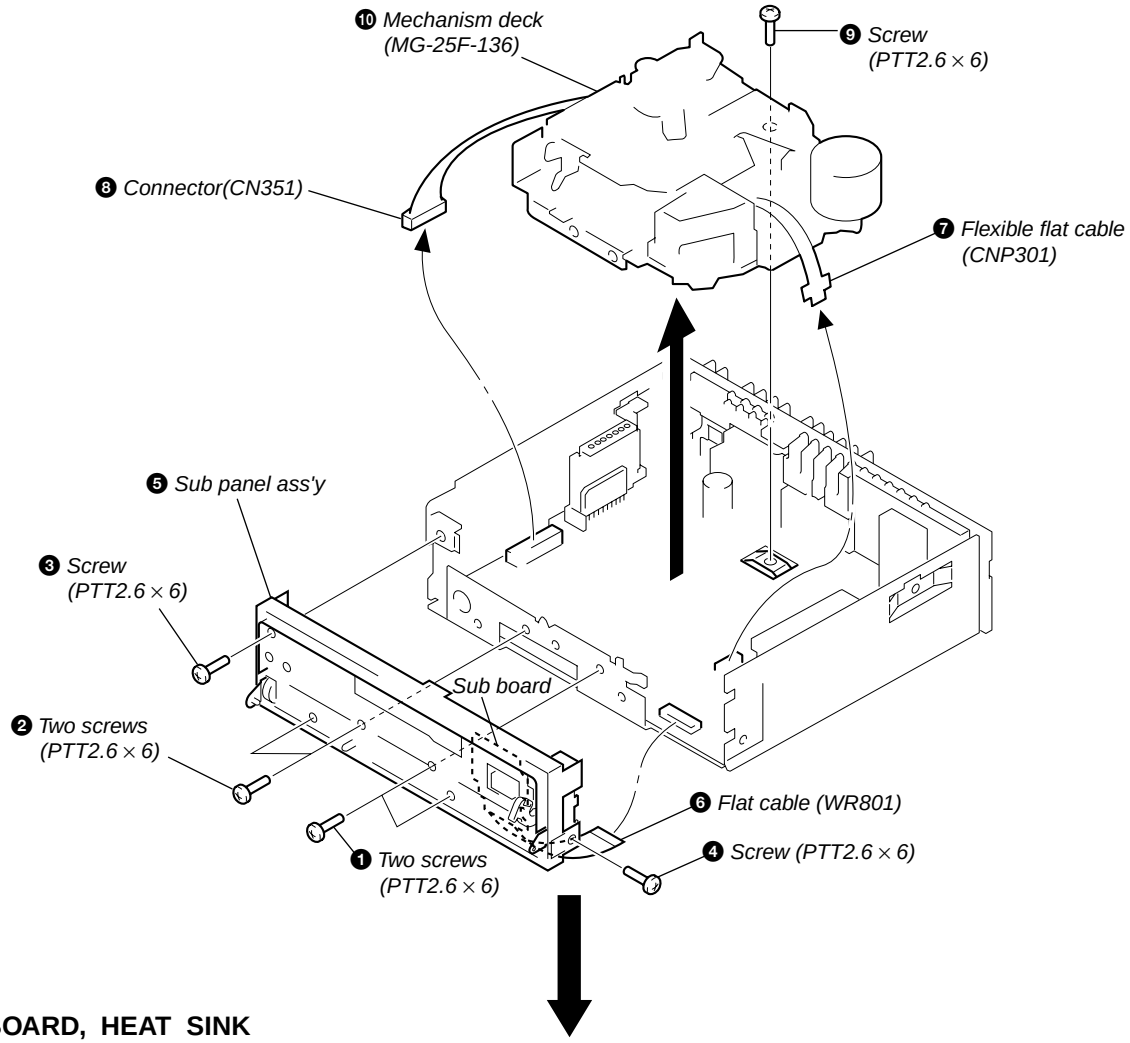
C



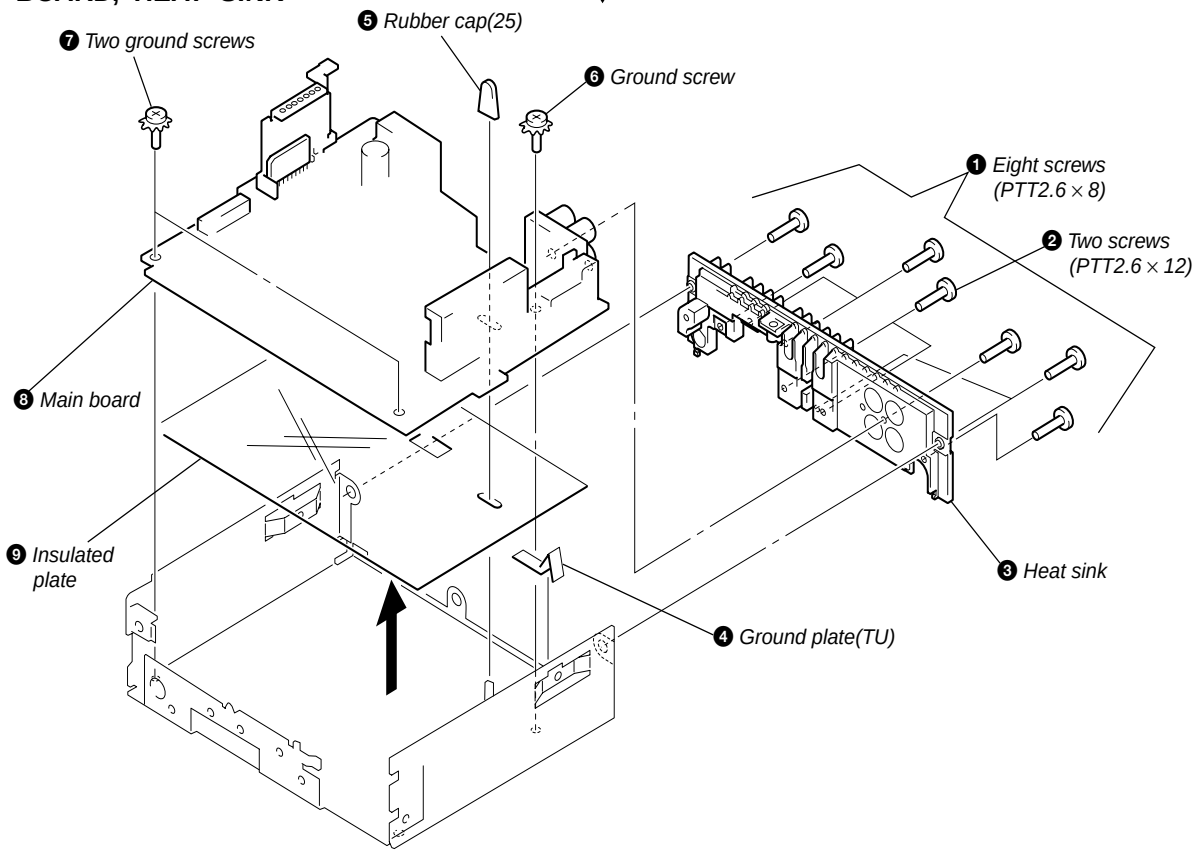
SECTION 3
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

SUB PANEL, MECHANISM DECK (MG-25F-136)


❿ Mechanism deck (MG-25F-136)
❾ Screw (PTT2.6 × 6)
❽ Connector(CN351)
❼ Flexible flat cable (CNP301)
❺ Sub panel ass'y
❸ Screw (PTT2.6 × 6)
Sub board
❷ Two screws (PTT2.6 × 6)
❻ Flat cable (WR801)
❹ Screw (PTT2.6 × 6)
❶ Two screws (PTT2.6 × 6)

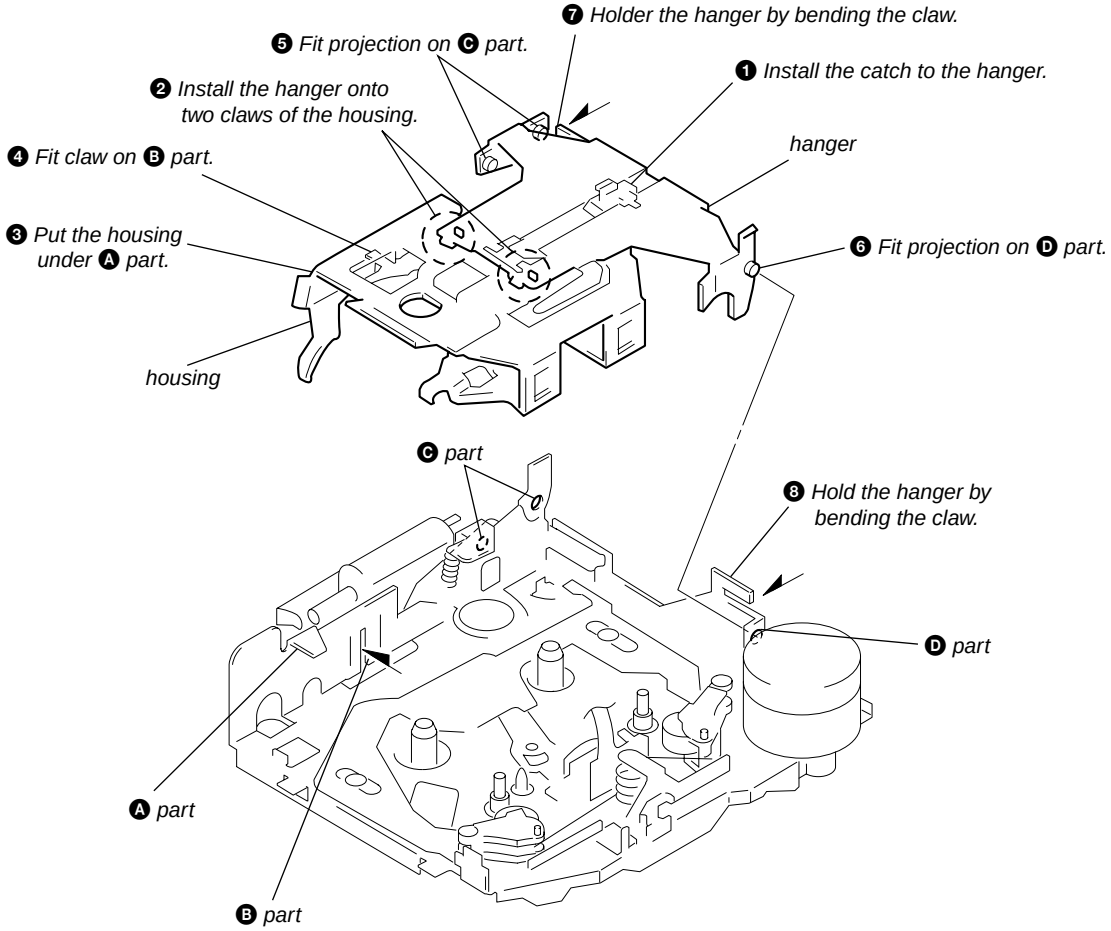
MAIN BOARD, HEAT SINK



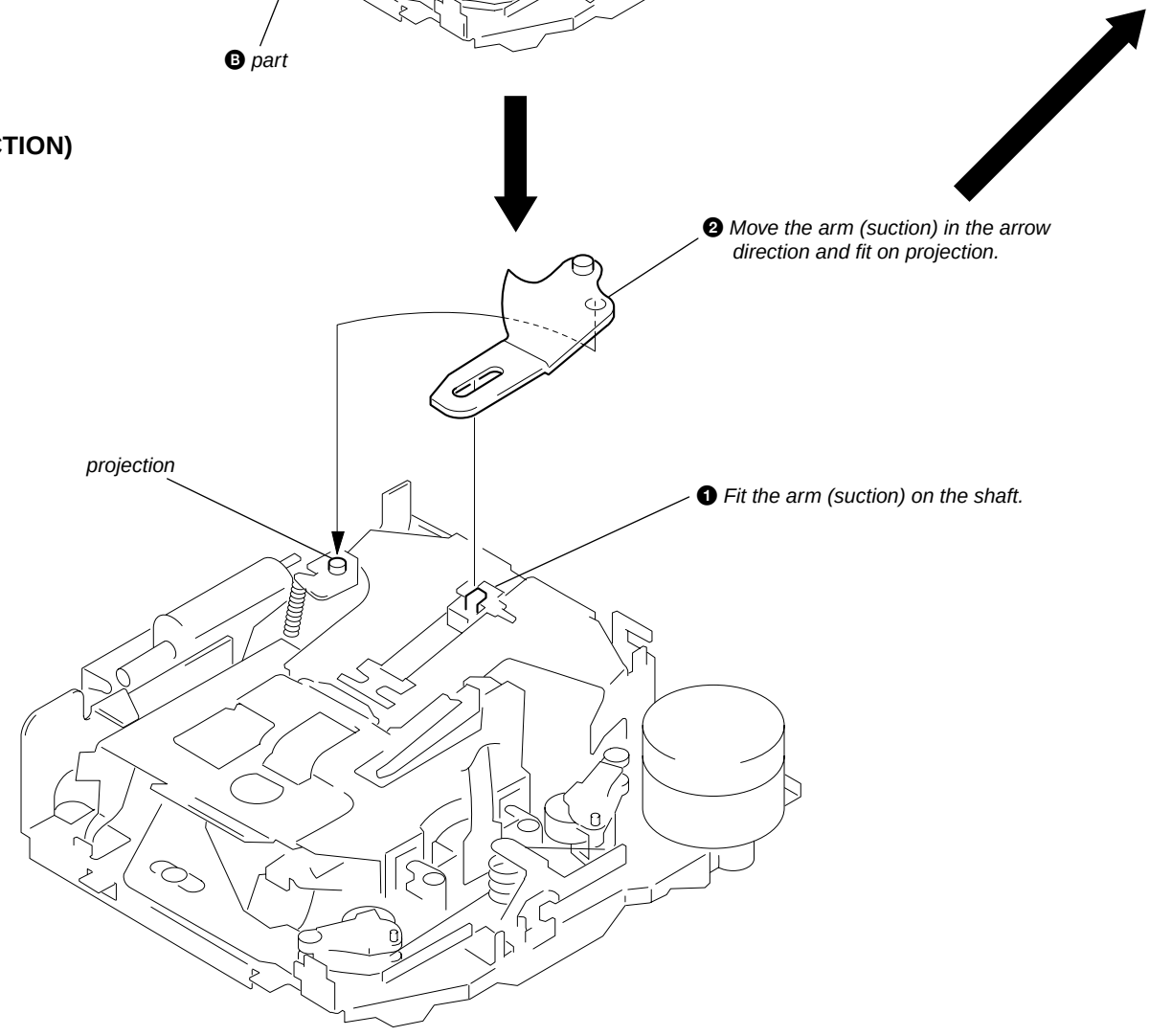
SECTION 4
ASSEMBLY OF MECHANISM DECK

Note: Follow the assembly procedure in the numerical order given.

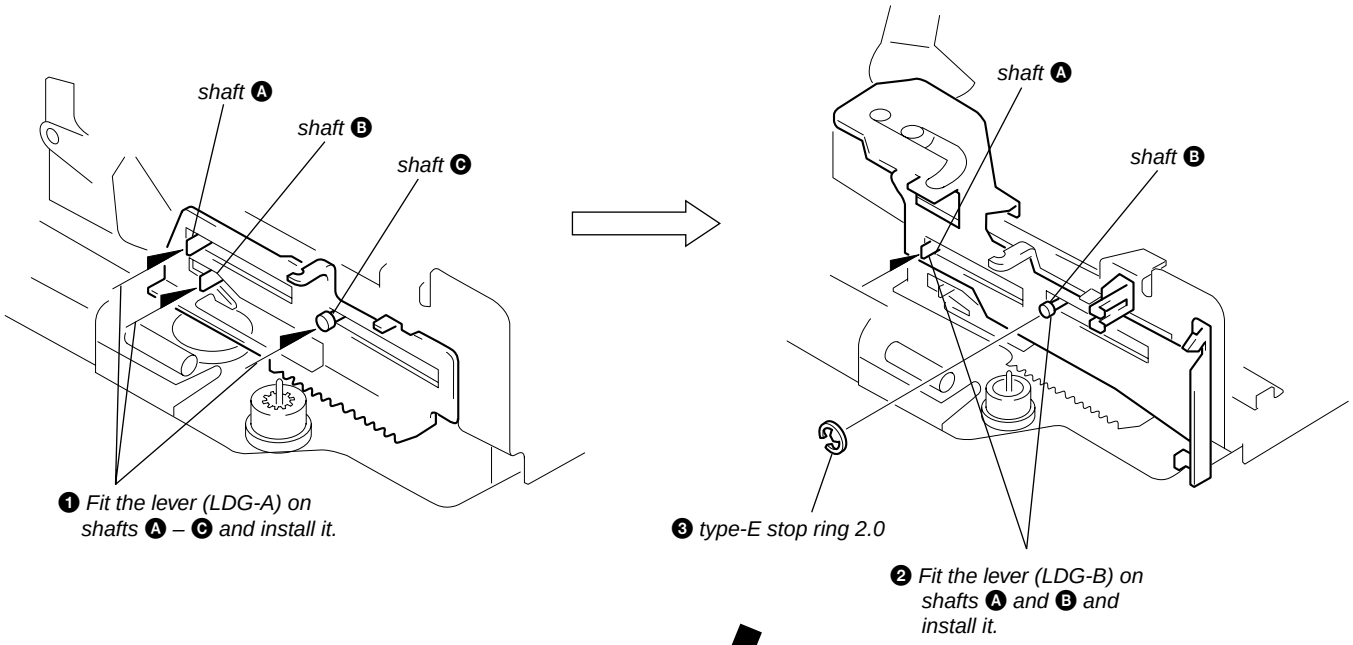
HOUSING


❼ Holder the hanger by bending the claw.
❺ Fit projection on Ⓒ part.
❶ Install the catch to the hanger.
❷ Install the hanger onto two claws of the housing.
hanger
❹ Fit claw on Ⓑ part.
❸ Put the housing under Ⓐ part.
❻ Fit projection on Ⓓ part.
housing
Ⓒ part
❽ Hold the hanger by bending the claw.
Ⓓ part
Ⓐ part
Ⓑ part

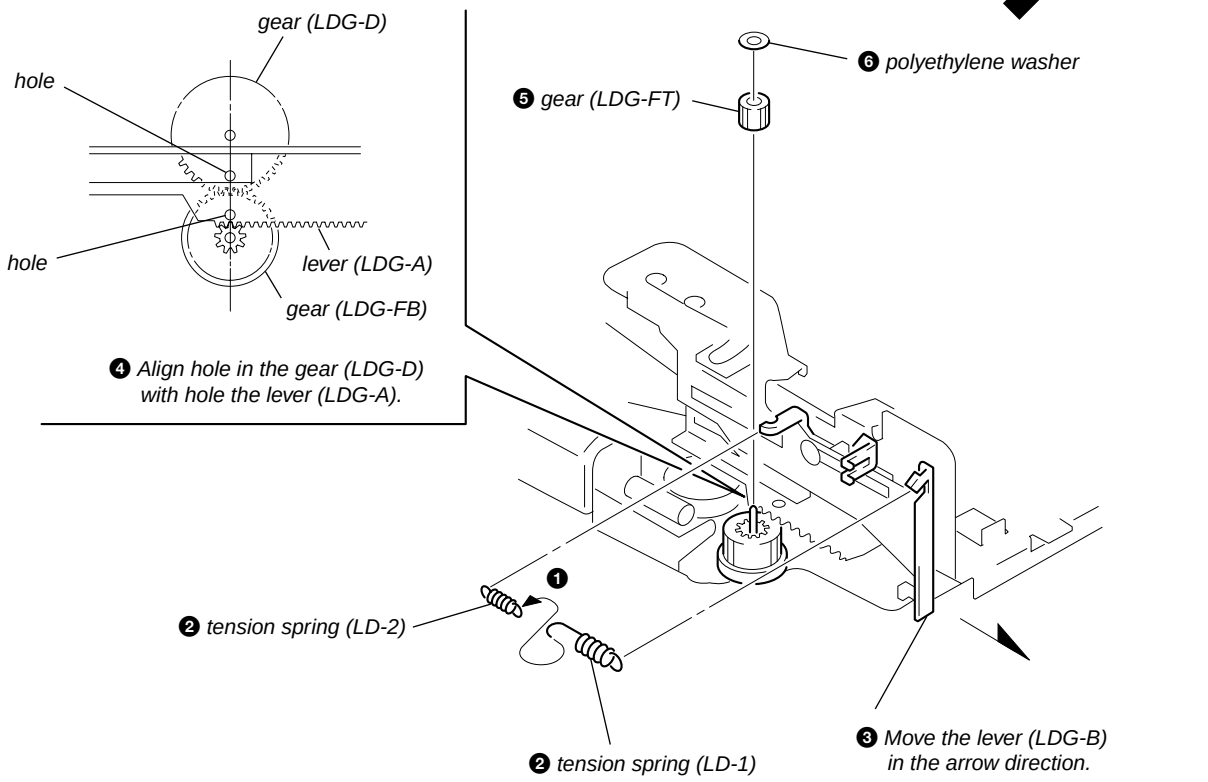
ARM (SUCTION)



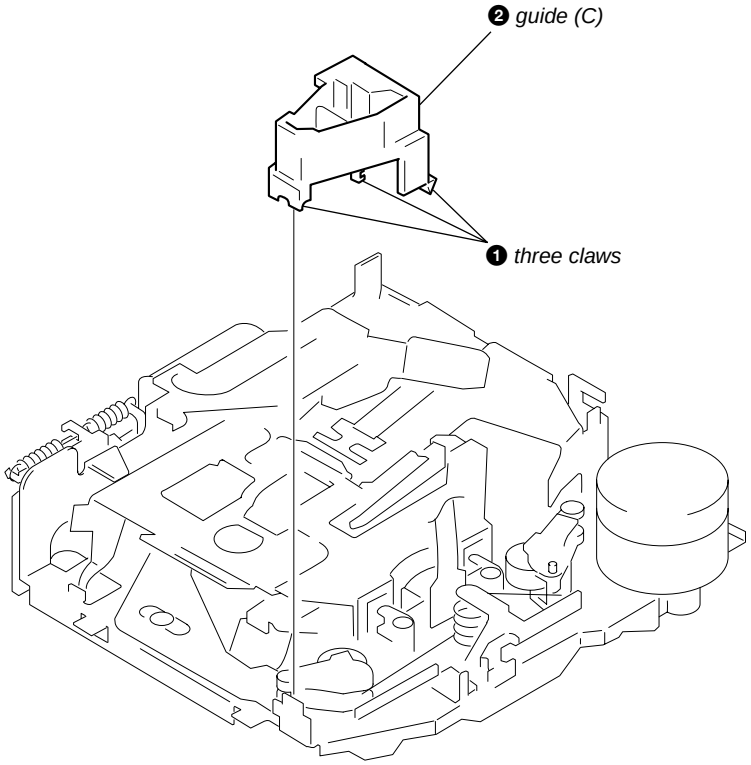
LEVER (LDG-A)/(LDG-B)


shaft Ⓐ
shaft Ⓑ
shaft Ⓒ
❶ Fit the lever (LDG-A) on shafts Ⓐ – Ⓒ and install it.
shaft Ⓐ
shaft Ⓑ
❸ type-E stop ring 2.0
❷ Fit the lever (LDG-B) on shafts Ⓐ and Ⓑ and install it.

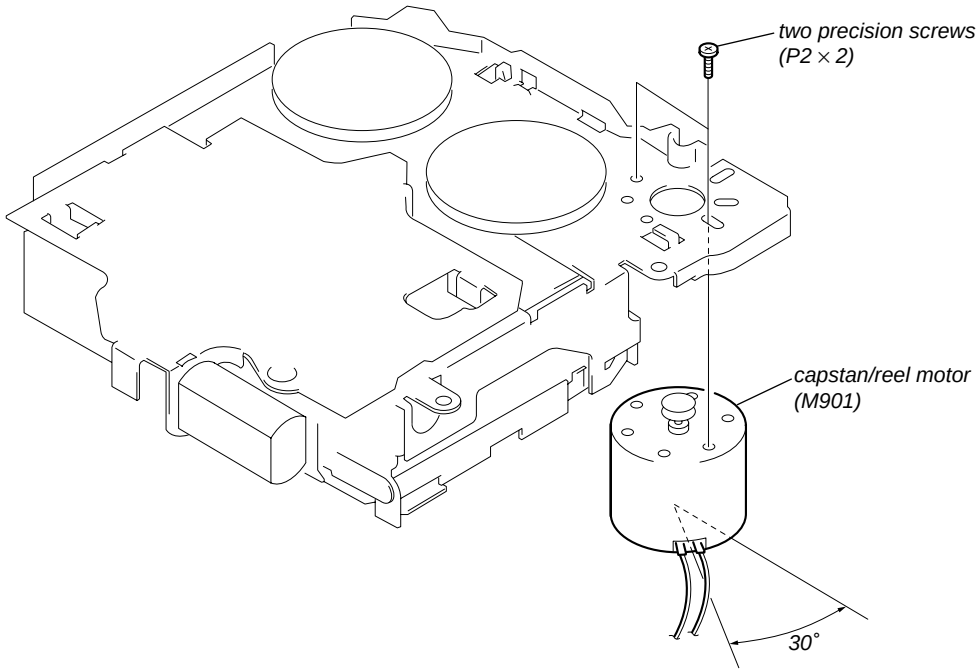
GEAR (LDG-FT)



GUIDE (C)



MOUNTING POSITION OF CAPSTAN/REEL MOTOR (M901)



SECTION 5
MECHANICAL ADJUSTMENTS

1. Clean the following parts with a denatured-alcohol-moistened swab:
   playback head pinch roller
   rubber belt capstan
   idlers
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the power supply voltage unless otherwise noted.

• Torque Measurement

Mode	Torque Meter	Meter Reading
Forward	CQ-102C	2.95 – 6.37 N•m 30 – 65 g•cm (0.42 – 0.90 oz•inch)
Forward Back Tension	CQ-102C	0.05 – 0.44 N•m 0.5 – 4.5 g•cm (0.01 – 0.06 oz•inch)
Reverse	CQ-102RC	2.95 – 6.37 N•m 30 – 65 g•cm (0.42 – 0.90 oz•inch)
Reverse Back Tension	CQ-102RC	0.05 – 0.44 N•m 0.5 – 4.5 g•cm (0.01 - 0.06 oz•inch)
FF, REW	CQ-201B	5.89 – 19.61 N•m 60 – 200 g•cm (0.83 – 2.78 oz•inch)

• Tape Tension Measurement

Mode	Tension Meter	Meter Reading
Forward	CQ-403A	more than 0.88 N more than 90 g (more than 3.18 oz)
Reverse	CQ-403R	more than 0.88 N more than 90 g (more than 3.18 oz)

SECTION 6
ELECTRICAL ADJUSTMENTS

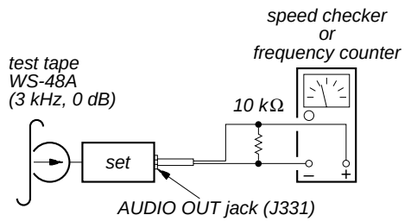
6-1. TEST MODE

<Set the Test Mode>
1. Set the "OFF" mode.
2. Push the preset [4] button.
3. Push the preset [5] button.
4. Press the preset [1] button for more than two seconds.
5. Then the display indicates all lights, the test mode is set.

<Release the Test mode>
1. Push the [OFF] button.

TAPE DECK SECTION | 0 dB=0.775 V

Tape Speed Adjustment
Setting:



Procedure:
1. Put the set into the FWD PB mode.
2. Adjust adjustment resistor for inside capstan motor so that the reading on the speed checker or frequency counter becomes in specification.

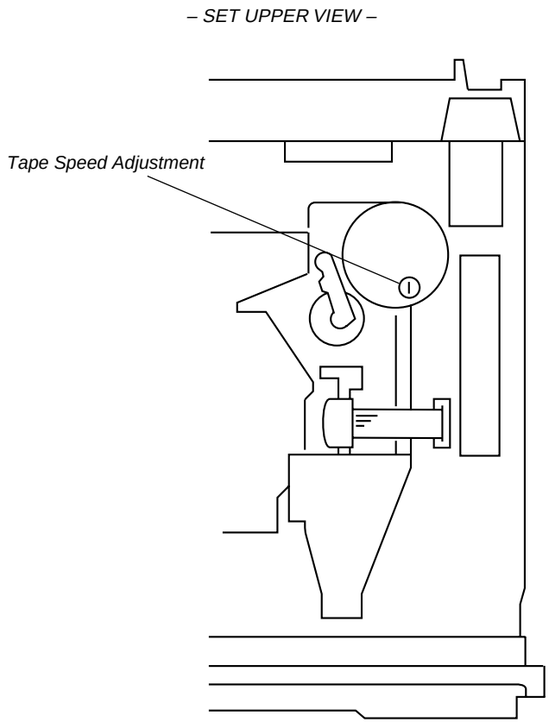
Specification: Constant speed

Speed checker	Frequency counter
–1.5 to +2.5%	2,955 to 3,075 Hz

TUNER SECTION | 0 dB=1 µV

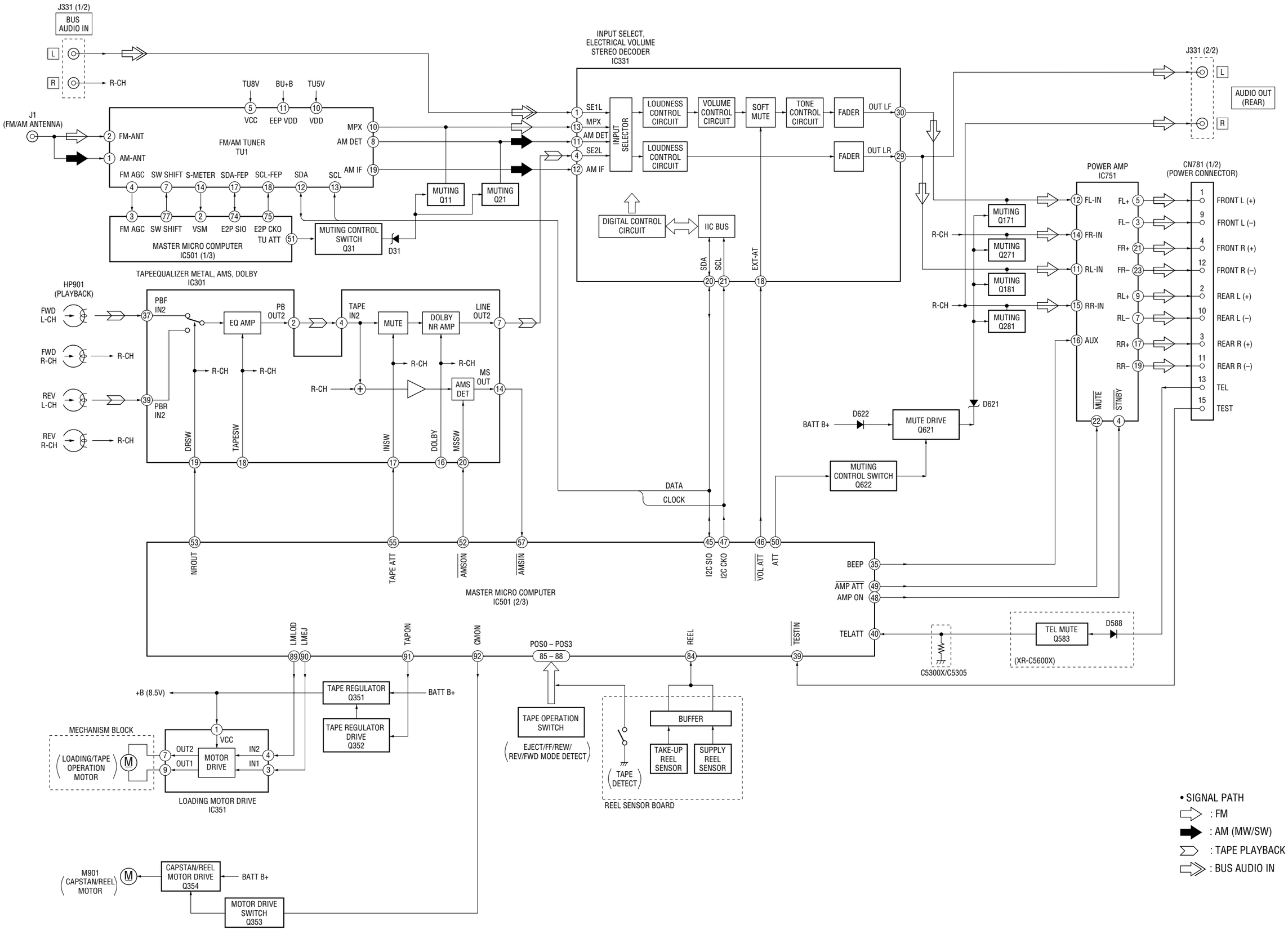
The tuner section has no adjustment.

Adjustment Location:



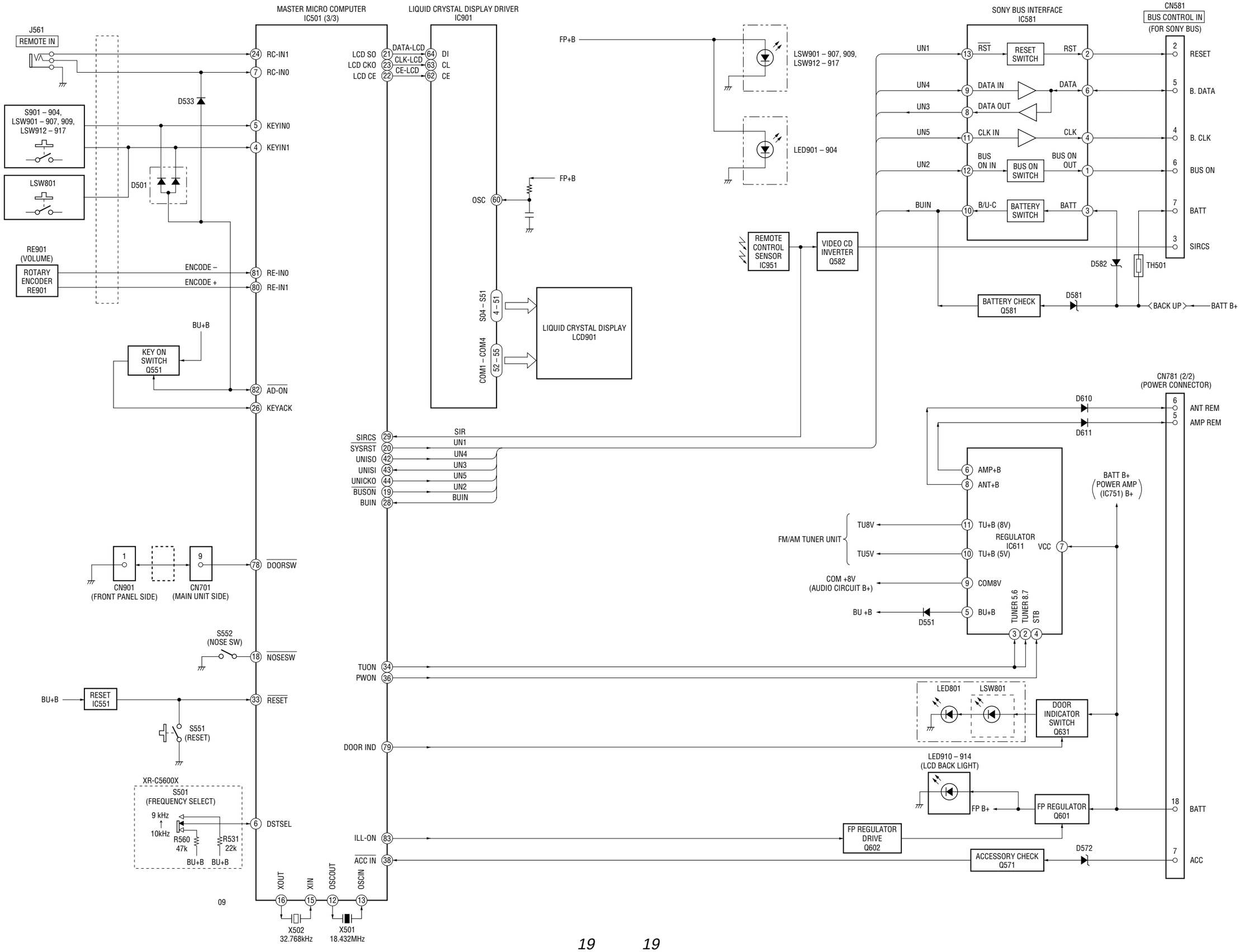
SECTION 7
DIAGRAMS

7-1. BLOCK DIAGRAMS – TUNER/TAPE/MAIN SECTION –



09

– DISPLAY/KEY CONTROL/BUS CONTROL/POWER SUPPLY SECTION –



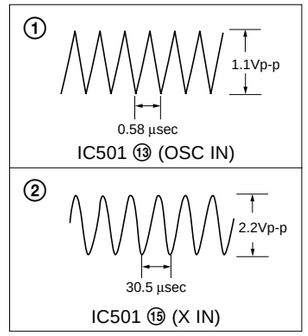
THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For schematic diagrams.
Note:
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▭ : panel designation.
- B + : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
  ( ) : AM (MW/SW)
  < > : TAPE PLAYBACK
  ✻ : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : AM (MW/SW)
  ⇨ : TAPE PLAYBACK

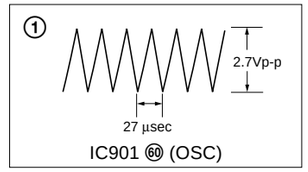
For printed wiring boards.
Note:
- o——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ▒▒▒ : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

Caution:
Pattern face side: Parts on the pattern face side seen from the (Conductor Side) pattern face are indicated.
Parts face side: Parts on the parts face side seen from the (Component Side) parts face are indicated.

WAVEFORMS
– MAIN BOARD –



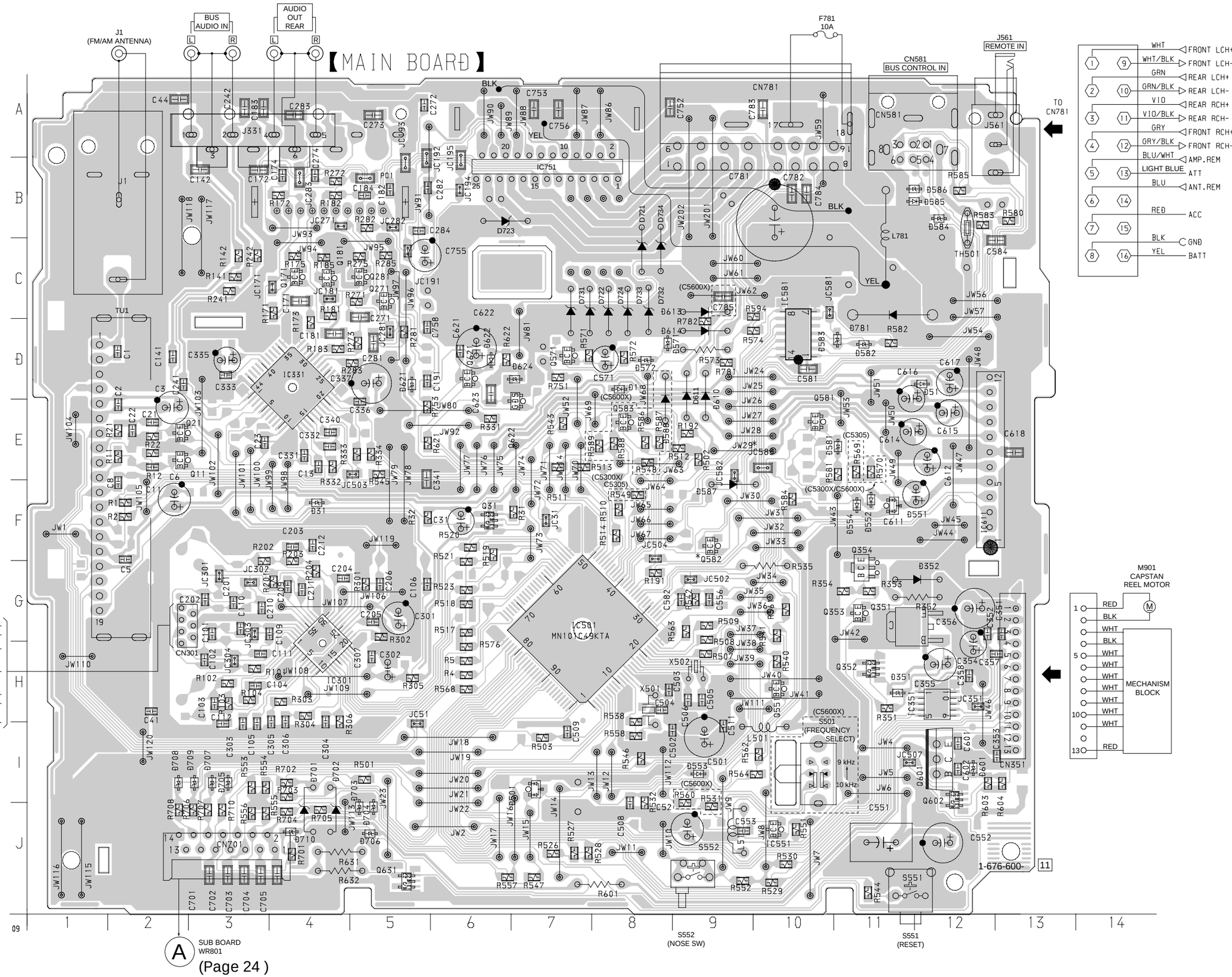
– KEY BOARD –



7-2. PRINTED WIRING BOARD – MAIN BOARD –

- **Semiconductor Location**

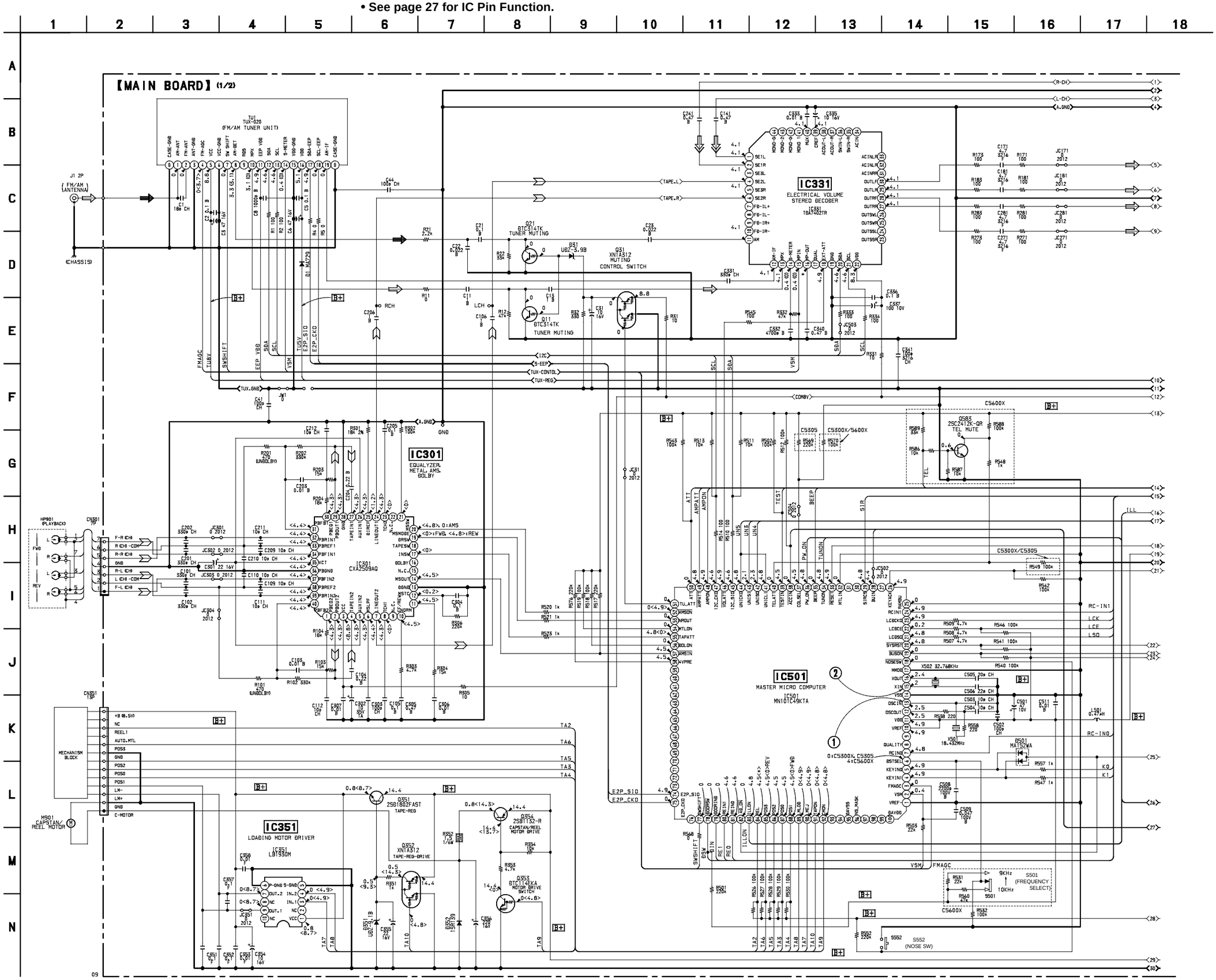
Ref. No.	Location
D1	D-8
D31	F-4
D51	D-12
D351	H-11
D352	G-12
D501	I-7
D551	F-11
D552	F-11
D553	I-9
D554	F-11
D571	D-8
D572	D-8
D581	E-11
D582	D-11
D583	D-11
D584	B-12
D585	B-12
D586	B-12
D587	F-9
D588	E-8
D601	I-12
D610	D-9
D611	D-9
D613	C-9
D614	D-9
D621	D-5
D622	D-6
D624	D-7
D701	J-4
D702	J-4
D703	J-5
D704	J-5
D705	I-3
D706	J-5
D707	I-3
D708	I-2
D709	I-3
D710	J-4
D721	C-8
D722	C-7
D723	B-6
D724	C-8
D731	C-7
D732	C-8
D733	C-8
D734	C-8
D781	C-11
IC301	H-4
IC331	D-4
IC351	H-12
IC501	G-7
IC551	J-10
IC581	D-10
IC611	E-12
IC751	B-7
Q11	E-2
Q21	E-2
Q31	F-6
Q171	C-4
Q181	C-4
Q271	C-5
Q281	C-5
Q351	G-11
Q352	H-11
Q353	G-11
Q354	G-11
Q551	H-10
Q571	D-7
Q581	E-10
Q582	F-9
Q583	E-8
Q601	I-12
Q602	I-12
Q621	D-6
Q622	E-7
Q631	J-5



(Page 24)

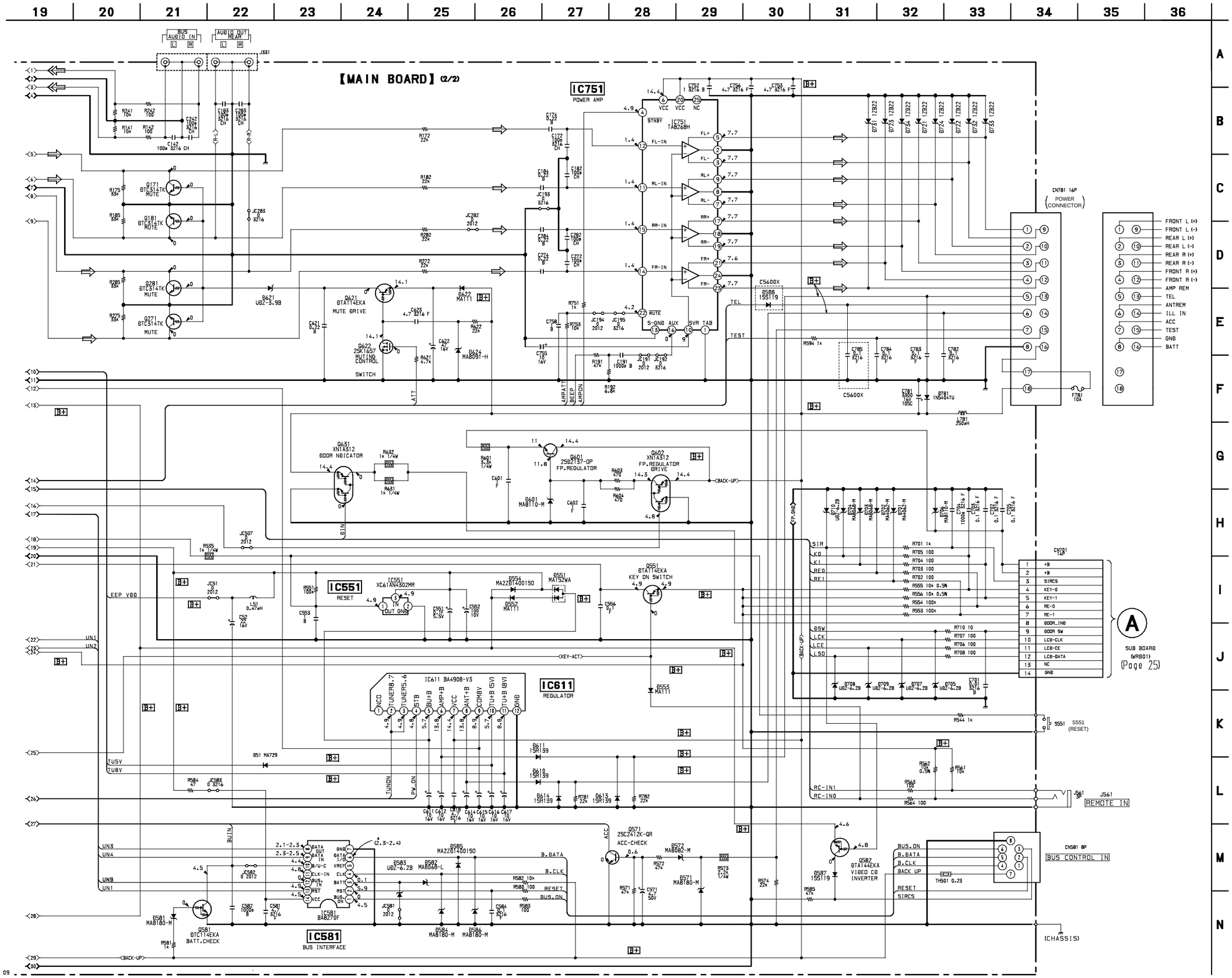
7-3. SCHEMATIC DIAGRAM – MAIN BOARD (1/2) –

- See page 20 for Waveforms.
- See page 21 for Printed Wiring Board.
- See page 26 for IC Block Diagrams.
- See page 27 for IC Pin Function.



7-4. SCHEMATIC DIAGRAM – MAIN BOARD (2/2) –

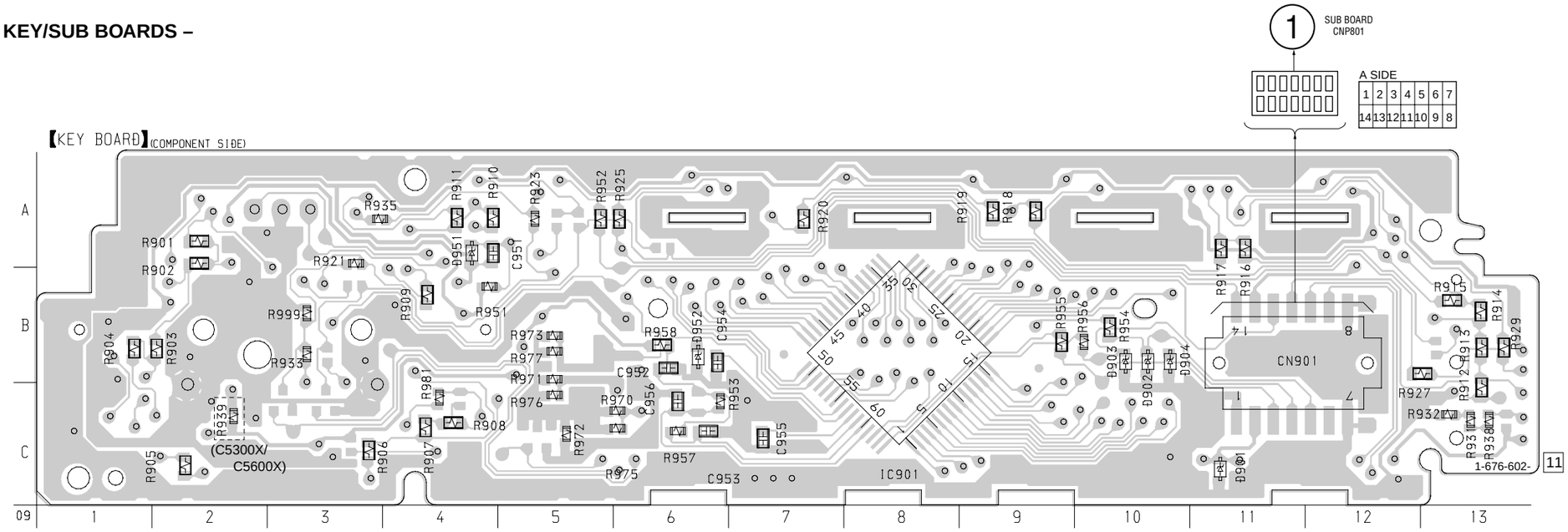
- See page 21 for Printed Wiring Board.
- See page 26 for IC Block Diagrams.



7-5. PRINTED WIRING BOARDS – KEY/SUB BOARDS –

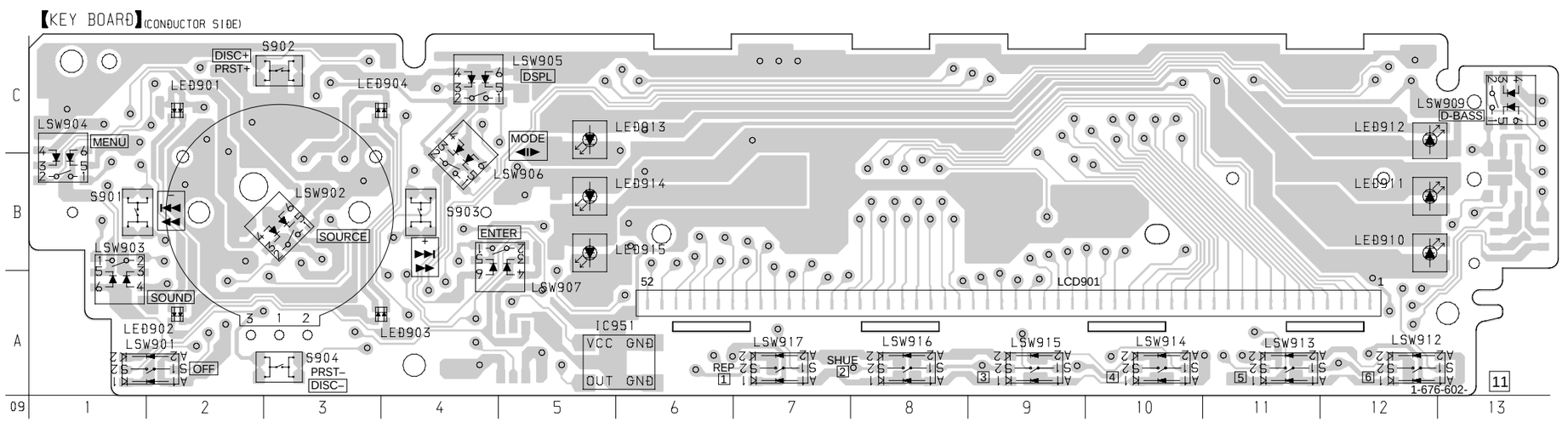
• **Semiconductor Location**

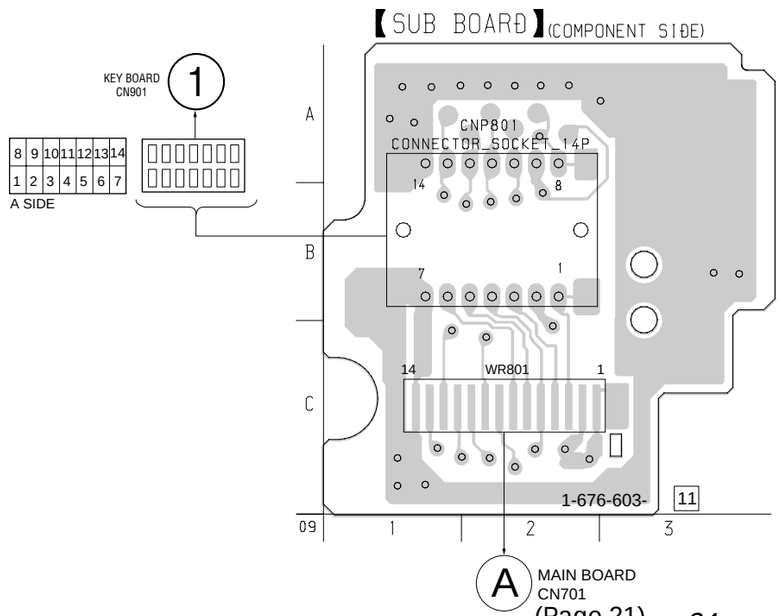
Ref. No.	Location
D901	C-11
D902	B-10
D903	B-10
D904	B-10
D951	A-4
D952	B-6
IC901	B-8

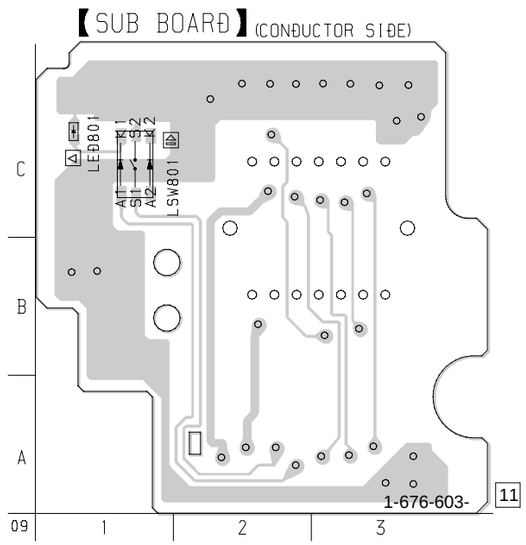


• **Semiconductor Location**

Ref. No.	Location
IC951	A-6

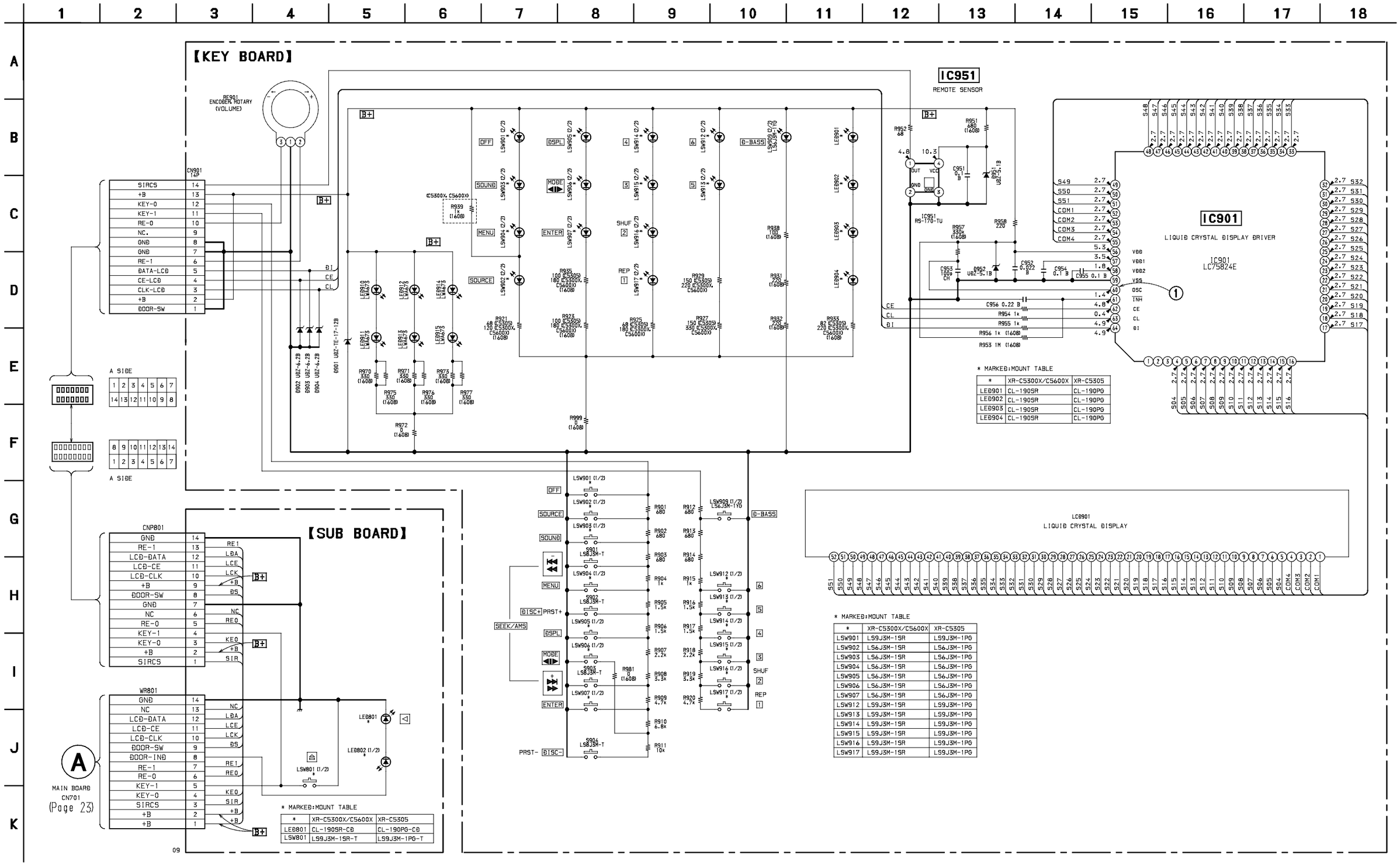






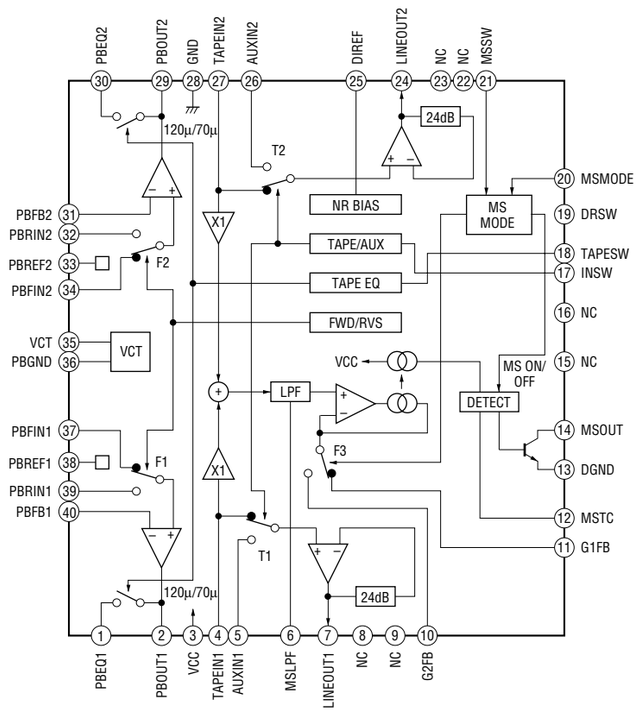
7-6. SCHEMATIC DIAGRAMS – KEY/SUB BOARDS –

• See page 20 for Waveform.

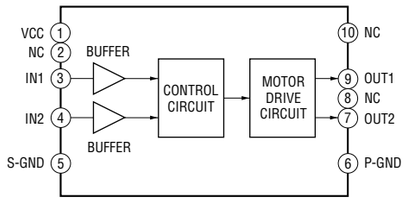


7-7. IC BLOCK DIAGRAMS

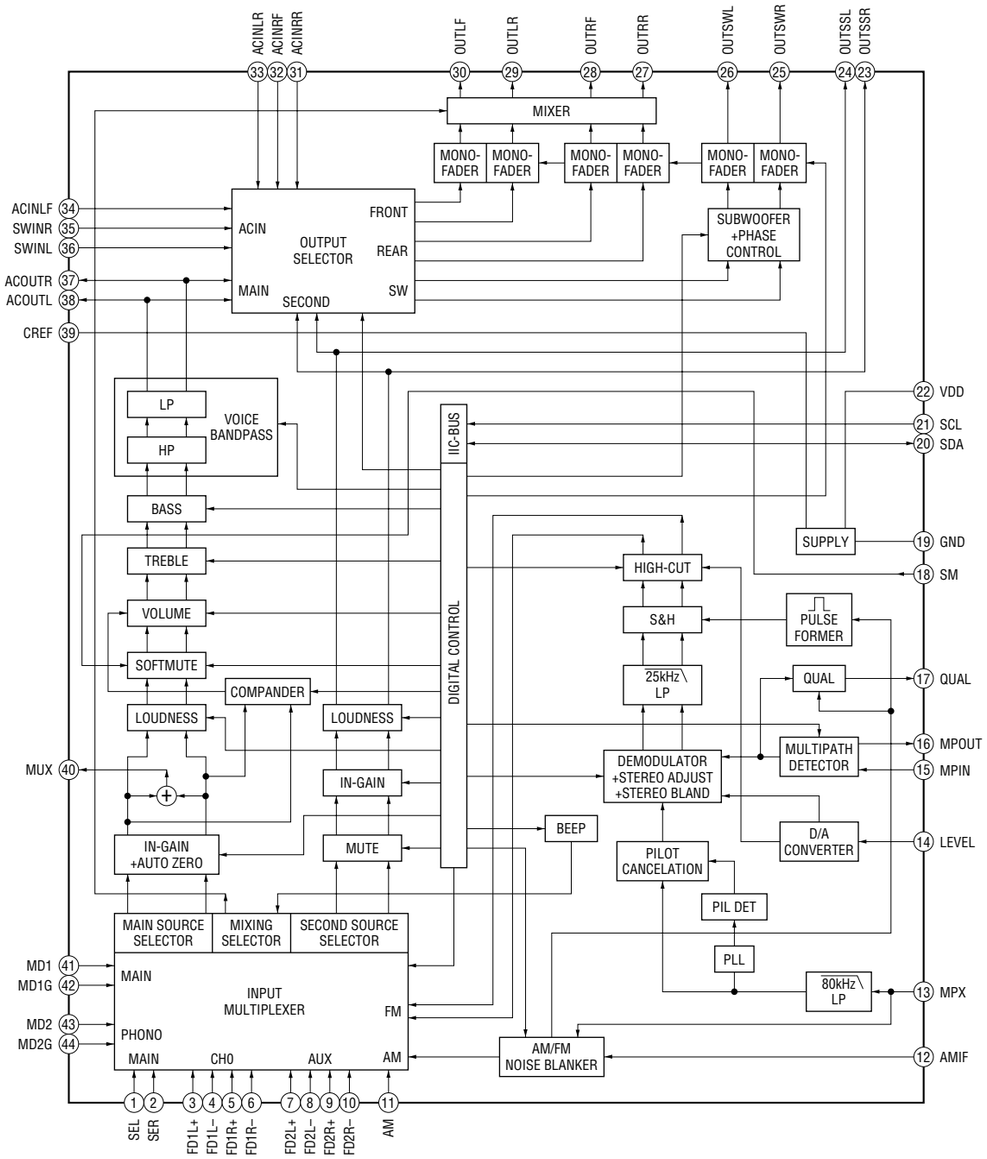
IC301 CXA2509AQ-T4



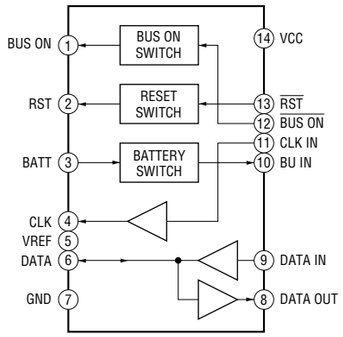
IC351 LB1930M-TLM



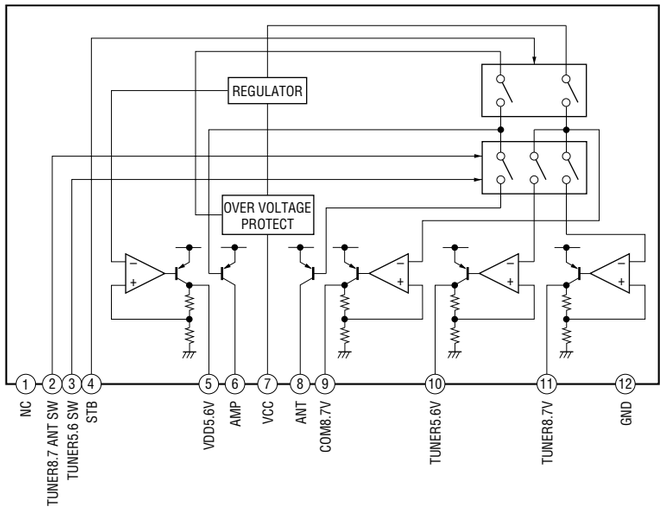
IC331 TDA7402TR



IC581 BA8270F-E2



IC611 BA4908-V3



7-8. IC PIN FUNCTION

• IC501 MASTER MICRO COMPUTER (MN101C49KTA) (MAIN Board)

Pin No.	Pin Name	I/O	Function
1	VREF	—	Reference voltage (– side) of AD conversion Connect to power ground if no problems such as noise
2	VSM	I	FM/AM common signal meter A/D conversion input terminal AM (MW:SW:LW), FM S meter voltage detection terminal
3	FMAGC	I	FM AGC A/D conversion input terminal FM AGC voltage detection terminal
4	KEYIN1	I	KEY input
5	KEYIN0	I	Use the AD conversion input
6	DSTSEL	I	Terminal for selecting and setting destination value Reads during reset
7	RCIN0	I	Rotary commander input Use the AD conversion input
8, 9	QUALITY	O	Not used
10	VREF	—	Reference voltage (+ side) of AD conversion As current is always flowing, make sure that current is supplied only when the power of the system is turned ON by the master microprocessor
11	VDD	—	Power supply terminal
12	OSCOUT	O	Terminal connected to the oscillator
13	OSCIN	I	Connected to the 18.432 MHz oscillator
14	VSS	—	Ground terminal
15	XIN	I	Terminal connected to the sub-clock (for clock) oscillator
16	XOUT	O	Connected to the 32.768 kHz oscillator
17	MMOD	—	Ground terminal
18	$\overline{\text{NOSESW}}$	I	Front panel disconnection/attachment detection input terminal A panel is present when “L”
19	$\overline{\text{BUSON}}$	O	BUS ON control output Outputs “L” when UNI-LINK communication is activated
20	$\overline{\text{SYSRST}}$	O	SYSTEM RESET control output Outputs “L” when the UNI-LINK slave microprocessor is reset
21	LCDSO	O	LCD serial data output Serial interface with LCD driver IC Outputs “L” when OFF to prevent misoperations of the C-MOS port
22	LCDCE	O	LCD chip enable output terminal Serial interface with LCD driver IC Outputs “L” when OFF to prevent misoperations of the C-MOS port
23	LCDCKO	O	LCD serial clock output Serial interface with LCD driver IC Outputs “L” when OFF to prevent misoperations of the C-MOS port
24	RCIN1	I	Rotary Commander Shift input terminal Rotary Commander Shift input
25	RAMBU	I	RAM reset detection input After clearing input reset to check if the RAM data has been damaged by decreasing voltage, checks the RAM data within 50 ms Results L= Clears the RAM as the power supply voltage of the microprocessor dropped belowthe minimum data maintenance voltage H= Checks the RAM damage check area as the power supply voltage of the microproces sor has not dropped below the minimum data maintenance voltage Clears the RAM if the RAM damage check area is damaged

Pin No.	Pin Name	I/O	Function
26	KEYACK	I	Key input acknowledge Acknowledge signal input terminal to accept the function and eject key from the power off state The A/D conversion input power supply is off to save power in the power off state, and key inputs cannot be accepted by A/D This terminal can therefore determine if function keys have been pressed even in the power off state When the microprocessor is in the HALT mode, the HALT mode is cleared using this interrupt
27		O	Not used
28	BUIN	I	BACK-UP detection input terminal Input terminal to detect power supply back-up Used as interrupt The circuit is set so that it becomes “H” level when above 8.5+-0.3V When the microprocessor is in the operating mode, detects changes in the backup by detecting the rising edge, falling edge, and both edges of the interrupt request flag When the micropro cessor is in the HALT mode, it can be cleared from this mode using this interrupt
29	SIRCS	I	Remote control input Use the interrupt input port When not using this terminal, be sure to fix at “H” or “L”
30, 31	NCO	O	Not used
32	MTLIN	O	
33	$\overline{\text{RESET}}$	O	Reset input terminal Reset at “L” level
34	TUNON	O	TUNER power supply control output terminal Active during tuner ON (includes sub- reception, ATA mode on)
35	BEEP	O	Buzzer control output Terminal for driving piezoelectric buzzer to produce beep sound
36	PW_ON	O	System power supply control output Controls power on/off of the system power supply (turned on when the unit operates) Outputs “H” when the power is on, and “L” when off
37	COLSEL	I	Xplod model acknowledge terminal Sets the slave illumination to amber when “H” Amber when “L”
38	$\overline{\text{ACCIN}}$	I	Accessory power supply detection input Input terminal to detect accessory Accessory is present when “L” is input
39	$\overline{\text{TESTIN}}$	I	Test mode setting input terminal Input terminal for setting the unit into the test mode When this port becomes L during microprocessor reset or while the backup changes fromOFF to ON, the test mode is set Once test mode 1 is set, the TEST input is not detected in the following backup OFF/ON and test mode 1 is continued Press the OFF button or RESET to clear To set the test mode while the backup power changes from OFF to ON, if the power is ON, set test mode 1 and turn the power OFF If the above fails, do not check the TEST input while the backup power changes from OFF to ON Check only during POWER OFF
40	TELATT	I	TELEPHONE MUTE detection input Performs audio 20dB attenuation in the input on state Set to the input on state at “H”

Pin No.	Pin Name	I/O	Function
41	UNICLI	I	Serial clock input UNI-LINK serial interface clock input terminal
42	UNISO	O	Serial data output UNI-LINK serial interface data output terminal
43	UNISI	I	Serial data input UNI-LINK serial interface data input terminal
44	UNICKO	O	Serial clock output UNI-LINK serial interface clock output terminal
45	I2C_SIO	I/O	I^2C bus serial data input/output Serial interface with electronic volume IC, TUX-020
46	$\overline{\text{VOLATT}}$	O	Electronic volume mute control output terminal Mute terminal for electronic volume
47	I2_CKO	O	I^2C bus serial clock output Serial interface with electronic volume IC, TUX-020
48	AMPON	O	Power amplifier STANDBY control output Performs standby on/off control of the power amplifier and power IC
49	$\overline{\text{AMPATT}}$	O	Power amplifier mute control output terminal Mute terminal during AMPON output ON/OFF
50	ATT	O	System MUTE control output Mute control output of audio signal line output stage Set the electronic volume also to - ∞ during active Outputs “H” when mute is ON Immediately sets into the input state during BU-INOFF
51	TU_ATT	O	Tuner mute control output terminal Controls FM and AM outputs from TUX
52	$\overline{\text{AMSON}}$	O	Outputs “L” during AMS
53	NROUT	O	FOR/REV control output Controls tape running direction Outputs “H” in the forward direction and “L” in the reverse direction
54	MTLON	I/O	Metal control input/output Switches between metal on/off MTL is present when initial “L” is input Outputs “H” during MTL ON
55	TAPATT	O	Tape mute control output FF and REW are active during ATA operations Outputs “H” during mute on when the EQ IC is connected
56	DOLON	I/O	Dolby control input/output Sets the presence/absence of the Dolby function during the input mode during initialization Switches DOLBY to on or off in the output mode normally DOLBY is on when “L” is input Outputs “H” during DOLBY ON
57	$\overline{\text{AMSIN}}$	I	Sound presence/absence detection input during AMS Detects if tape audio sound is present or absent Sound is present when “L” is input and absent when “H” is input
58	4VPRE	I	4VPREOUT model acknowledge terminal Acknowledges as 4VPREOUT model when “L”, and changes the gain amount of the electrical control IC
59 to 69		O	Not used

Pin No.	Pin Name	I/O	Function
70 to 73	NCO	O	Not used
74	E2P_SIO	I/O	EEPROM communication terminal EEPROM data input/output terminal
75	E2P_CKO	O	EEPROM communication terminal EEPROM clock output terminal
76	NCO	O	Not used
77	SWSHIFT	O	AM filter control terminal Outputs “L”during 2.94 to 5.585, 14.125 to 18.135 MHz during SW reception, and outputs “H” at other times
78	$\overline{\text{DOORSW}}$	I	Front panel open/close detection input Panel is closed when “L”
79	DOORIND	O	DOOR indicator output terminal “H” is output when DOORSW is “H” “L” is output when NOSESW is “H”
80	REIN1	I	Rotary encoder input terminal
81	REIN0	I	
82	$\overline{\text{AD\_ON}}$	O	AD conversion power supply control output When the KEYACK terminal for controlling the AVREF power supply to input key AD conversion inputs is active, “L” is output from this terminal to set the input possible state
83	ILLON	O	Illumination power supply control output Output control terminal of the power supply for illumination of functions keys, etc. Depends on pressing the OFF key for two seconds to turn it off OFF key normally off, etc Accessory power supply detection output input (ACCIN) active ..... on output Inactive ..... off output Pressing the OFF key for two seconds to turn it off, etc System power supply control output (PW ON) active ..... on output Inactive ..... off output When on output= “H” output When off output= “L” output
84	REL	I	Reel table rotation detection input Used for detecting tape end using the terminal for detecting tape rotation
85	POS3	I	Position signal detection input Terminal for detecting tape position Connected to MD
86	POS2	I	
87	POS0	I	
88	POS1	I	
89	LMLOD	O	Loading motor control output (Loading direction) Rotates the loading motor in the normal direction using the tape control terminal
90	LMEJ	O	Loading motor control output (Ejection direction) Rotates the loading motor in the reverse direction using the tape control terminal Becomes active together with LM and LOD, and brakes the loading motor
91	TAPON	O	TAPE power supply control output Capstan motor control output Loading motor control output (Loading direction) Loading motor control output (Ejection direction) Outputs on when one of the above three ports is active At other times, does not depend on off output and power output
92	CM ON	O	TAPE capstan motor control signal output terminal Normally, linked with TAPON Outputs LOW when paused at TAPE BEHIND to stop the motor

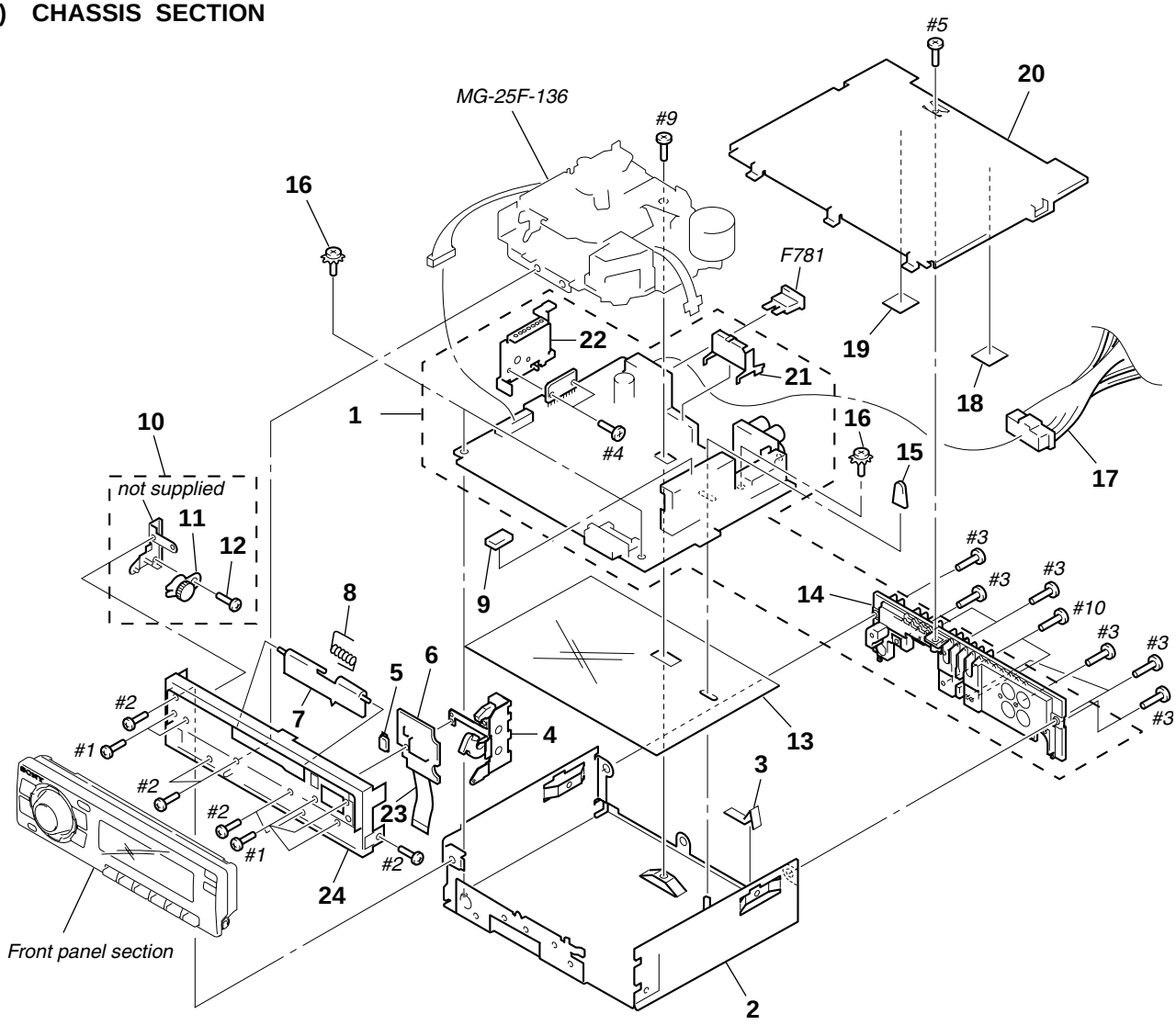
Pin No.	Pin Name	I/O	Function
93	NCO	O	Not used
94		O	
95	DAVSS	O	
96	NS_MASK	O	
97		O	
98		O	
100	DAVDD	O	

SECTION 8
EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.
- Abbreviation
  CND: Canadian model

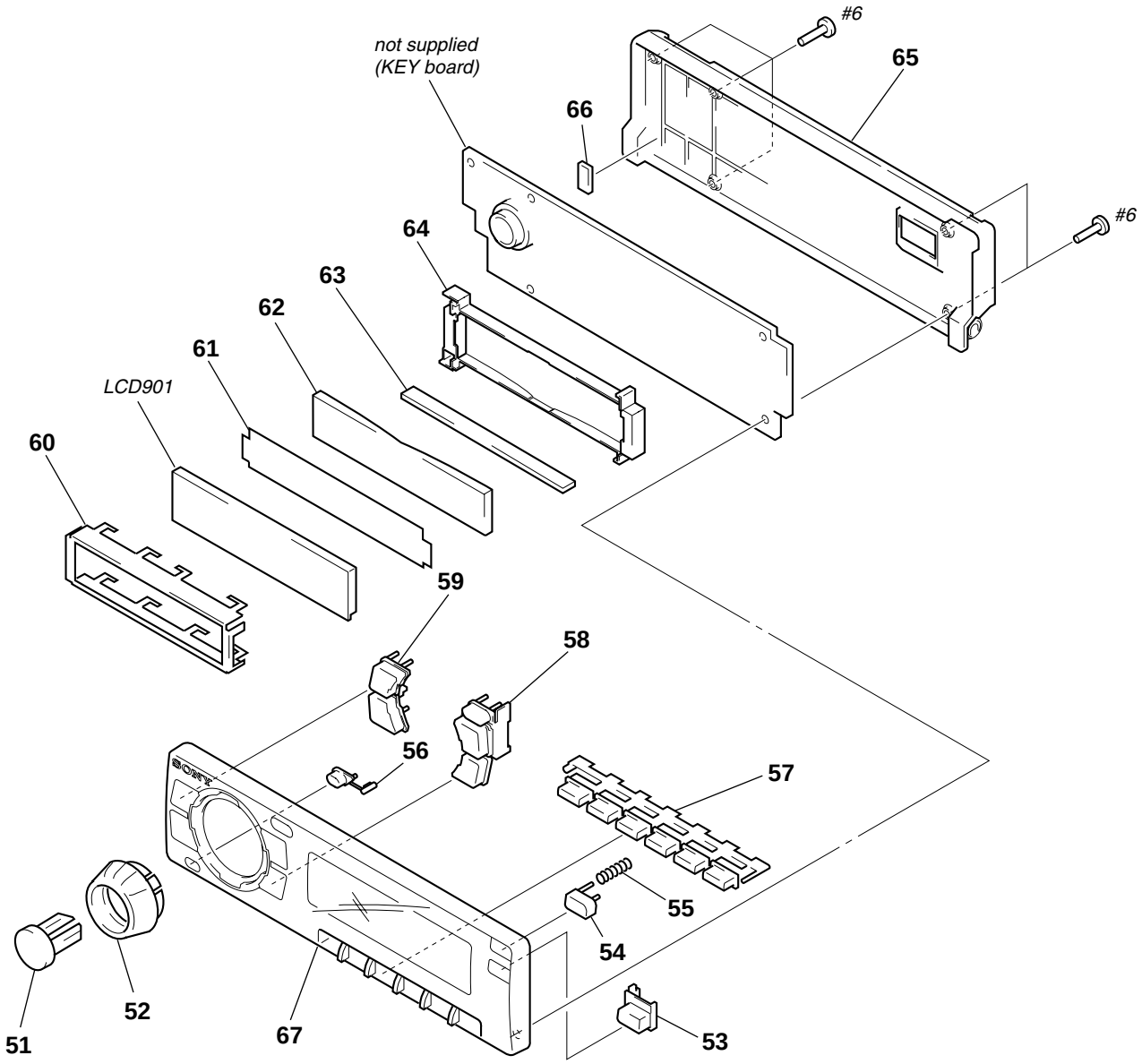
(1) CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
* 1	A-3326-145-A	MAIN BOARD, COMPLETE (C5600X)	
* 1	A-3326-165-A	MAIN BOARD, COMPLETE (C5300X)	
* 1	A-3326-176-A	MAIN BOARD, COMPLETE (C5305)	
* 2	3-040-994-01	CHASSIS	
3	3-045-878-01	PLATE (TU), GROUND	
4	X-3377-621-2	LOCK ASSY	
5	3-040-990-01	BUTTON (EJECT)	
* 6	1-676-603-11	SUB BOARD	
7	3-027-437-12	DOOR, CASSETTE	
8	3-935-003-01	SPRING, TORSION	
9	3-045-877-01	CUSHION (TU)	
10	X-3376-699-2	GEAR ASSY	
11	3-030-909-02	DAMPER, OIL	
12	3-713-786-51	SCREW +P 2X3	
13	3-045-828-01	INSULATED PLATE	

Ref. No.	Part No.	Description	Remark
* 14	3-040-996-11	HEAT SINK (2P)	
15	3-012-859-01	CAP (25), RUBBER	
16	3-915-923-01	SCREW, GROUND POINT	
17	1-792-194-21	CORD (WITH CONNECTOR)(POWER)(C5600X)	
17	1-792-194-31	CORD (WITH CONNECTOR)(POWER) (C5300X,C5305)	
* 18	3-046-991-01	SPACER (COVER R)	
* 19	3-046-990-01	SPACER (COVER L)	
* 20	3-040-995-01	COVER	
* 21	3-040-998-01	BLACKET (IC)	
* 22	3-041-262-01	HEAT SINK (REG/XR)	
23	1-792-195-11	CABLE, FLEXIBLE FLAT	
24	X-3378-397-1	PANEL ASSY, SUB	
F781	1-532-877-11	FUSE (BLADE TYPE)(AUTO FUSE)(10A)	

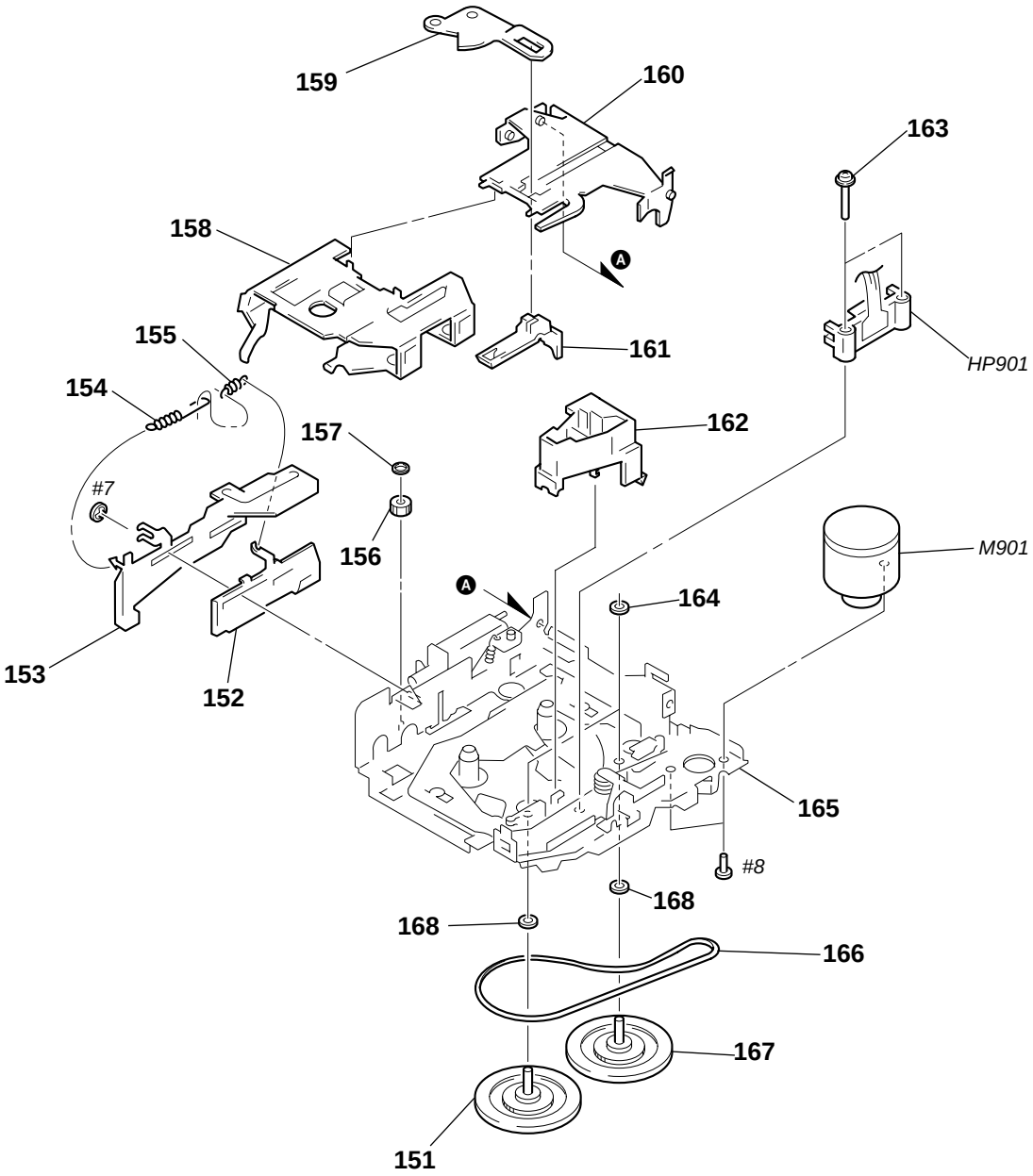
(2) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	3-040-980-01	BUTTON (SOURCE)	
52	3-040-981-01	KNOB (VOL)(C5300X,C5305)	
52	3-040-981-11	KNOB (VOL)(C5600X)	
53	3-041-005-11	BUTTON (D)	
54	3-040-989-01	BUTTON (OPEN)	
55	3-037-267-01	SPRING (OPEN)	
56	3-040-987-01	BUTTON (OFF)	
57	3-040-988-01	BUTTON (1-6)	
58	3-040-985-01	BUTTON (DIR/ENTER)	
59	3-040-986-01	BUTTON (MENU/SOUND)	

Ref. No.	Part No.	Description	Remark
* 60	3-040-997-01	PLATE (LCD), GROUND	
* 61	3-041-371-02	SHEET (REFLECTOR)	
* 62	3-040-993-01	PLATE (LCD), LIGHT GUIDE	
63	1-694-660-11	CONDUCTIVE BOARD, CONNECTION	
* 64	3-040-992-01	HOLDER (LCD)	
65	X-3378-398-1	PANEL ASSY, FRONT BACK	
66	3-045-596-01	CUSHION (OFF)	
67	X-3378-574-1	PANEL SUB ASSY (C5300X)	
67	X-3378-575-1	PANEL SUB ASSY (C5600X)	
67	X-3378-580-1	PANEL SUB ASSY (C5305)	
LCD901	1-803-907-31	DISPLAY PANEL, LIQUID CRYSTAL	

(3) MECHANISM DECK SECTION (MG-25F-136)



Ref. No.	Part No.	Description	Remark
151	A-3291-667-A	CLUTCH (FR) ASSY	
* 152	3-019-130-01	LEVER (LDG-A)	
* 153	3-019-131-01	LEVER (LDG-B)	
154	3-020-539-01	SPRING (LD-1), TENSION	
155	3-020-540-01	SPRING (LD-2), TENSION	
156	3-020-542-01	GEAR (LOADING FT)	
157	3-341-753-11	WASHER, POLYETHYLENE	
158	3-020-533-01	HOUSING	
* 159	3-020-532-01	ARM (SUCTION)	
160	3-020-534-01	HANGER	

Ref. No.	Part No.	Description	Remark
161	3-933-346-01	CATCHER	
162	3-933-344-01	GUIDE (C)	
163	3-014-798-01	SCREW (HEAD), SPECIAL	
164	3-364-151-01	WASHER	
165	A-3301-267-A	CHASSIS ASSY (G)	
166	3-017-302-01	BELT (25)	
167	3-936-853-01	FLYWHEEL (F)	
168	3-701-437-21	WASHER	
HP901	1-500-157-21	HEAD, MAGNETIC (PLAYBACK)	
M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)	

SECTION 9
ELECTRICAL PARTS LIST

SUB MAIN

Note:

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: µ , for example:
  uA...: µ A..., uPA...: µ PA..., uPB...: µ PB..., uPC...: µ PC..., uPD...: µ PD...
- CAPACITORS
  uF : µ F
- COILS
  uH : µ H

Ref. No.	Part No.	Description	Remark
*	1-676-603-11	SUB BOARD	
		**********	
	1-792-195-11	CABLE, FLEXIBLE FLAT	
		< CONNECTOR >	
CNP801	1-794-064-11	SOCKET, CONNECTOR 14P	
		< DIODE >	
LED801	8-719-038-07	DIODE CL-190PG-CD-T (C5305)	
LED801	8-719-061-16	DIODE CL-190SR-CD-T (C5300X,C5600X)	
		< SWITCH >	
LSW801	1-771-609-11	SWITCH, TACT (WITH LED)(≙)(C5305)	
LSW801	1-771-883-21	SWITCH, TACTILE (WITH LED)(≙)	(C5300X,C5600X)
**********			
*	A-3326-145-A	MAIN BOARD, COMPLETE (C5600X)	
		**********	
*	A-3326-165-A	MAIN BOARD, COMPLETE (C5300X)	
		**********	
*	A-3326-176-A	MAIN BOARD, COMPLETE (C5305)	
		**********	
*	3-040-996-11	HEAT SINK (2P)	
*	3-040-998-01	BRACKET (IC)	
*	3-041-262-01	HEAT SINK (REG/XR)	
	7-685-647-11	SCREW +BVTP 3X10 TYPE2 N-S	
	7-685-793-01	SCREW +PTT 2.6X8 (S)	
	7-685-795-01	SCREW +PTT 2.6X12 (S)	
		< CAPACITOR >	
C1	1-163-233-11	CERAMIC CHIP 18PF 5.00% 50V	
C2	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C3	1-104-664-11	ELECT 47UF 20.00% 16V	
C5	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C6	1-104-664-11	ELECT 47UF 20.00% 16V	
C8	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C11	1-109-982-11	CERAMIC CHIP 1UF 10.00% 10V	
C13	1-109-982-11	CERAMIC CHIP 1UF 10.00% 10V	
C21	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C22	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	
C23	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	
C31	1-124-233-11	ELECT 10UF 20.00% 16V	
C41	1-163-251-11	CERAMIC CHIP 100PF 5.00% 50V	
C44	1-163-251-11	CERAMIC CHIP 100PF 5.00% 50V	
C52	1-124-234-00	ELECT 22uF 20% 16V	
C101	1-163-263-11	CERAMIC CHIP 330PF 5.00% 50V	
C102	1-163-263-11	CERAMIC CHIP 330PF 5.00% 50V	
C103	1-163-021-11	CERAMIC CHIP 0.01UF 10.00% 50V	
C104	1-164-489-11	CERAMIC CHIP 0.22UF 10.00% 16V	
C105	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C106	1-109-982-11	CERAMIC CHIP 1UF 10.00% 10V	
C109	1-163-227-11	CERAMIC CHIP 10PF 0.50PF 50V	
C110	1-163-227-11	CERAMIC CHIP 10PF 0.50PF 50V	
C111	1-163-227-11	CERAMIC CHIP 10PF 0.50PF 50V	
C112	1-163-227-11	CERAMIC CHIP 10PF 0.50PF 50V	
C141	1-107-823-11	CERAMIC CHIP 0.47UF 10.00% 16V	
C142	1-163-181-00	CERAMIC CHIP 100PF 5.00% 50V	
C171	1-164-506-11	CERAMIC CHIP 4.7UF 16V	
C172	1-163-181-00	CERAMIC CHIP 100PF 5.00% 50V	
C174	1-164-489-11	CERAMIC CHIP 0.22UF 10.00% 16V	
C181	1-164-506-11	CERAMIC CHIP 4.7UF 16V	
C182	1-163-251-11	CERAMIC CHIP 100PF 5.00% 50V	
C183	1-163-181-00	CERAMIC CHIP 100PF 5.00% 50V	
C184	1-164-489-11	CERAMIC CHIP 0.22UF 10.00% 16V	
C191	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C201	1-163-263-11	CERAMIC CHIP 330PF 5.00% 50V	
C202	1-163-263-11	CERAMIC CHIP 330PF 5.00% 50V	
C203	1-163-021-11	CERAMIC CHIP 0.01UF 10.00% 50V	
C204	1-164-489-11	CERAMIC CHIP 0.22UF 10.00% 16V	
C205	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C206	1-109-982-11	CERAMIC CHIP 1UF 10.00% 10V	
C209	1-163-227-11	CERAMIC CHIP 10PF 0.50PF 50V	
C210	1-163-227-11	CERAMIC CHIP 10PF 0.50PF 50V	
C211	1-163-227-11	CERAMIC CHIP 10PF 0.50PF 50V	
C212	1-163-227-11	CERAMIC CHIP 10PF 0.50PF 50V	
C241	1-107-823-11	CERAMIC CHIP 0.47UF 10.00% 16V	
C242	1-163-181-00	CERAMIC CHIP 100PF 5.00% 50V	
C271	1-164-506-11	CERAMIC CHIP 4.7UF 16V	
C272	1-163-251-11	CERAMIC CHIP 100PF 5.00% 50V	
C274	1-164-489-11	CERAMIC CHIP 0.22UF 10.00% 16V	
C281	1-164-506-11	CERAMIC CHIP 4.7UF 16V	
C282	1-163-251-11	CERAMIC CHIP 100PF 5.00% 50V	
C283	1-163-181-00	CERAMIC CHIP 100PF 5.00% 50V	
C284	1-164-489-11	CERAMIC CHIP 0.22UF 10.00% 16V	

MAIN

Ref. No.	Part No.	Description			Remark
C301	1-124-234-00	ELECT	22uF	20%	16V
C302	1-131-353-00	TANTALUM	10uF	10%	35V
C303	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C304	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C305	1-107-823-11	CERAMIC CHIP	0.47UF	10.00%	16V
C306	1-163-021-11	CERAMIC CHIP	0.01UF	10.00%	50V
C307	1-163-021-11	CERAMIC CHIP	0.01UF	10.00%	50V
C331	1-163-263-11	CERAMIC CHIP	330PF	5.00%	50V
C332	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C333	1-163-021-11	CERAMIC CHIP	0.01UF	10.00%	50V
C335	1-124-233-11	ELECT	10UF	20.00%	16V
C336	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C337	1-124-584-00	ELECT	100uF	20%	10V
C340	1-107-823-11	CERAMIC CHIP	0.47UF	10.00%	16V
C341	1-163-181-00	CERAMIC CHIP	100PF	5.00%	50V
C351	1-165-319-11	CERAMIC CHIP	0.1UF		50V
C352	1-165-319-11	CERAMIC CHIP	0.1UF		50V
C353	1-163-031-11	CERAMIC CHIP	0.01UF		50V
C354	1-124-233-11	ELECT	10UF	20.00%	16V
C355	1-124-234-00	ELECT	22uF	20%	16V
C356	1-126-934-11	ELECT	220UF	20.00%	16V
C357	1-165-319-11	CERAMIC CHIP	0.1UF		50V
C358	1-163-031-11	CERAMIC CHIP	0.01UF		50V
C501	1-124-589-11	ELECT	47uF	20%	16V
C502	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C503	1-163-227-11	CERAMIC CHIP	10PF	5.00%	50V
C504	1-163-227-11	CERAMIC CHIP	10PF	5.00%	50V
C505	1-163-234-11	CERAMIC CHIP	20PF	5.00%	50V
C506	1-163-235-11	CERAMIC CHIP	22PF	5.00%	50V
C508	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C509	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C511	1-163-021-11	CERAMIC CHIP	0.01UF	10.00%	50V
C551	1-125-710-11	DOUBLE LAYER	0.1F		5.5V
C552	1-104-665-11	ELECT	100UF	20.00%	10V
C553	1-109-982-11	CERAMIC CHIP	1UF	10.00%	10V
C556	1-165-319-11	CERAMIC CHIP	0.1UF		50V
C571	1-126-163-11	ELECT	4.7uF	20%	50V
C581	1-164-506-11	CERAMIC CHIP	4.7UF		16V
C582	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C584	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C601	1-164-346-11	CERAMIC CHIP	1UF		16V
C602	1-164-346-11	CERAMIC CHIP	1UF		16V
C611	1-124-233-11	ELECT	10UF	20.00%	16V
C612	1-124-233-11	ELECT	10UF	20.00%	16V
C614	1-124-233-11	ELECT	10UF	20.00%	16V
C615	1-124-233-11	ELECT	10UF	20.00%	16V
C616	1-124-233-11	ELECT	10UF	20.00%	16V
C617	1-124-233-11	ELECT	10UF	20.00%	16V
C618	1-164-506-11	CERAMIC CHIP	4.7UF		16V
C621	1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C622	1-124-589-11	ELECT	47uF	20%	16V
C623	1-164-506-11	CERAMIC CHIP	4.7UF		16V
C701	1-163-059-00	CERAMIC CHIP	0.01UF	10.00%	50V
C702	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C703	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C704	1-163-047-11	CERAMIC CHIP	0.001uF	5%	50V
C705	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C752	1-107-682-11	CERAMIC CHIP	1UF	10.00%	16V
C753	1-164-506-11	CERAMIC CHIP	4.7UF		16V
C755	1-124-233-11	ELECT	10UF	20.00%	16V
C756	1-164-506-11	CERAMIC CHIP	4.7UF		16V
C758	1-109-982-11	CERAMIC CHIP	1UF	10.00%	10V
C781	1-107-885-31	ELECT	3300UF	20.00%	16V
C782	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C783	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C784	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C785	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V (C5600X)

< CONNECTOR >

Ref. No.	Part No.	Description
CN301	1-766-260-11	CONNECTOR, FFC/FPC (ZIF) 7P
* CN351	1-506-995-11	PIN, CONNECTOR (PC BOARD) 13P
CN581	1-580-907-31	PLUG, CONNECTOR (BUS CONTROL IN)
CN701	1-784-456-11	CONNECTOR, FFC/FPC 14P
CN781	1-774-701-11	PIN, CONNECTOR 16P (POWER CONNECTOR)

< DIODE >

Ref. No.	Part No.	Description
D1	8-719-420-51	DIODE MA729-TX
D31	8-719-422-12	DIODE UDZ-TE-17-3.9B
D51	8-719-420-51	DIODE MA729-TX
D351	8-719-977-22	DIODE UDZ-TE-17-9.1B
D352	8-719-970-02	DIODE 1SR139-400T-32
D501	8-719-400-20	DIODE MA152WA-TX
D551	8-719-400-20	DIODE MA152WA-TX
D552	8-719-073-01	DIODE MA111-TX
D553	8-719-073-01	DIODE MA111-TX
D554	8-719-072-70	DIODE MA2ZD14001S0
D571	8-719-057-80	DIODE MA8180-M-TX
D572	8-719-420-14	DIODE MA8082-M(TX)
D581	8-719-057-80	DIODE MA8180-M-TX
D582	8-719-017-62	DIODE MA8068-L-TX
D583	8-719-056-82	DIODE UDZ-TE-17-6.2B
D584	8-719-057-80	DIODE MA8180-M-TX
D585	8-719-072-70	DIODE MA2ZD14001S0
D586	8-719-057-80	DIODE MA8180-M-TX
D587	8-719-911-19	DIODE 1SS119-25TD
D588	8-719-911-19	DIODE 1SS119-25TD (C5600X)
D601	8-719-423-23	DIODE MA8110-M-TX
D610	8-719-970-02	DIODE 1SR139-400T-32
D611	8-719-970-02	DIODE 1SR139-400T-32
D613	8-719-970-02	DIODE 1SR139-400T-32
D614	8-719-970-02	DIODE 1SR139-400T-32
D621	8-719-422-12	DIODE UDZ-TE-17-3.9B
D622	8-719-073-01	DIODE MA111-TX
D624	8-719-422-97	DIODE MA8091-H-TX
D701	8-719-035-74	DIODE MA4062-M(TA)
D702	8-719-035-74	DIODE MA4062-M(TA)
D703	8-719-977-12	DIODE MA8068-M-TX
D704	8-719-977-12	DIODE MA8068-M-TX
D705	8-719-056-82	DIODE UDZ-TE-17-6.2B
D706	8-719-423-23	DIODE MA8110-M-TX
D707	8-719-056-82	DIODE UDZ-TE-17-6.2B
D708	8-719-056-82	DIODE UDZ-TE-17-6.2B
D709	8-719-056-82	DIODE UDZ-TE-17-6.2B
D710	8-719-056-82	DIODE UDZ-TE-17-6.2B
D781	8-719-049-38	DIODE 1N5404TU

Ref. No.	Part No.	Description	Remark
		< IC >	
IC301	8-752-079-78	IC CXA2509AQ-T4	
IC331	8-759-653-27	IC TDA7402TR	
IC351	8-759-527-33	IC LB1930M-TLM	
IC501	8-759-663-32	IC MN101C49KTA	
IC551	8-759-574-61	IC XC61AN4302MR	
IC581	8-759-449-89	IC BA8270F-E2	
IC611	8-759-661-47	IC BA4908-V3	
IC751	8-759-663-88	IC TA8268H	
		< JACK >	
J1	1-764-808-21	JACK (FM/AM ANTENNA)	
J331	1-774-699-12	JACK, PIN 4P (BUS AUDIO IN, AUDIO OUT REAR)	
J561	1-566-822-41	JACK (REMOTE IN)	
		< JUMPER RESISTOR >	
JC31	1-216-295-00	SHORT 0	
JC51	1-216-295-00	SHORT 0	
JC171	1-216-295-00	SHORT 0	
JC181	1-216-295-00	SHORT 0	
JC191	1-216-295-00	SHORT 0	
JC192	1-216-296-00	SHORT 0	
JC193	1-216-296-00	SHORT 0	
JC194	1-216-295-00	SHORT 0	
JC195	1-216-296-00	SHORT 0	
JC271	1-216-295-00	SHORT 0	
JC281	1-216-295-00	SHORT 0	
JC282	1-216-295-00	SHORT 0	
JC283	1-216-296-00	SHORT 0	
JC301	1-216-295-00	SHORT 0	
JC302	1-216-295-00	SHORT 0	
JC303	1-216-295-00	SHORT 0	
JC304	1-216-295-00	SHORT 0	
JC351	1-216-295-00	SHORT 0	
JC502	1-216-295-00	SHORT 0	
JC503	1-216-295-00	SHORT 0	
JC504	1-216-295-00	SHORT 0	
JC507	1-216-295-00	SHORT 0	
JC581	1-216-295-00	SHORT 0	
JC582	1-216-295-00	SHORT 0	
JC583	1-216-296-00	SHORT 0	
		< COIL >	
L51	1-410-750-41	INDUCTOR 0.47uH	
L501	1-410-750-41	INDUCTOR 0.47uH	
L781	1-419-476-11	INDUCTOR 250uH	
		< TRANSISTOR >	
Q11	8-729-920-21	TRANSISTOR DTC314TK-T-146	
Q21	8-729-920-21	TRANSISTOR DTC314TK-T-146	
Q31	8-729-020-67	TRANSISTOR XN1A312-TX	
Q171	8-729-920-21	TRANSISTOR DTC314TK-T-146	
Q181	8-729-920-21	TRANSISTOR DTC314TK-T-146	
Q271	8-729-920-21	TRANSISTOR DTC314TK-T-146	
Q281	8-729-920-21	TRANSISTOR DTC314TK-T-146	
Q351	8-729-015-11	TRANSISTOR 2SD1802FAST-TL	
Q352	8-729-020-67	TRANSISTOR XN1A312-TX	
Q353	8-729-900-53	TRANSISTOR DTC114EKA-T146	
Q354	8-729-106-60	TRANSISTOR 2SB1132-T100-R	
Q551	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q571	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q581	8-729-900-53	TRANSISTOR DTC114EKA-T146	
Q582	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q583	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR (C5600X)	
Q601	8-729-423-99	TRANSISTOR 2SD2137-OP-TA	
Q602	8-729-020-67	TRANSISTOR XN1A312-TX	
Q621	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q622	8-729-021-94	TRANSISTOR 2SK1657-T1B	
Q631	8-729-020-67	TRANSISTOR XN1A312-TX	
		< RESISTOR >	
R1	1-216-025-00	RES-CHIP 100 5% 1/10W	
R2	1-216-025-00	RES-CHIP 100 5% 1/10W	
R4	1-216-295-00	SHORT 0	
R5	1-216-295-00	SHORT 0	
R11	1-216-295-00	SHORT 0	
R12	1-216-089-00	RES-CHIP 47K 5% 1/10W	
R21	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R22	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R31	1-216-001-00	METAL CHIP 10 5% 1/10W	
R32	1-216-037-00	METAL CHIP 330 5% 1/10W	
R101	1-216-041-00	METAL CHIP 470 5% 1/10W	
R102	1-216-109-00	METAL CHIP 330K 5% 1/10W	
R103	1-216-077-00	RES-CHIP 15K 5% 1/10W	
R104	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R141	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R142	1-216-025-00	RES-CHIP 100 5% 1/10W	
R171	1-216-025-00	RES-CHIP 100 5% 1/10W	
R172	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R173	1-216-025-00	RES-CHIP 100 5% 1/10W	
R175	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R181	1-216-025-00	RES-CHIP 100 5% 1/10W	
R182	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R183	1-216-025-00	RES-CHIP 100 5% 1/10W	
R185	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R191	1-216-089-00	RES-CHIP 47K 5% 1/10W	
R192	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R201	1-216-041-00	METAL CHIP 470 5% 1/10W	
R202	1-216-109-00	METAL CHIP 330K 5% 1/10W	
R203	1-216-077-00	RES-CHIP 15K 5% 1/10W	
R204	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R241	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R242	1-216-025-00	RES-CHIP 100 5% 1/10W	
R271	1-216-025-00	RES-CHIP 100 5% 1/10W	
R272	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R273	1-216-025-00	RES-CHIP 100 5% 1/10W	
R275	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R281	1-216-025-00	RES-CHIP 100 5% 1/10W	
R282	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R283	1-216-025-00	RES-CHIP 100 5% 1/10W	
R285	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R301	1-208-812-11	RES-CHIP 18K 2% 1/10W	
R302	1-216-097-00	RES-CHIP 100K 5% 1/10W	
R303	1-216-065-00	RES-CHIP 4.7K 5% 1/10W	

MAIN

Ref. No.	Part No.	Description			Remark
R304	1-216-077-00	RES-CHIP	15K	5%	1/10W
R305	1-216-001-00	METAL CHIP	10	5%	1/10W
R306	1-216-105-00	RES-CHIP	220K	5%	1/10W
R331	1-216-001-00	METAL CHIP	10	5%	1/10W
R332	1-216-089-00	RES-CHIP	47K	5%	1/10W
R333	1-216-025-00	RES-CHIP	100	5%	1/10W
R334	1-216-025-00	RES-CHIP	100	5%	1/10W
R351	1-216-049-00	RES-CHIP	1K	5%	1/10W
R352	1-249-383-11	CARBON	1.5	5%	1/6W F
R353	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R354	1-216-073-00	METAL CHIP	10K	5%	1/10W
R501	1-216-105-00	RES-CHIP	220K	5%	1/10W
R502	1-216-097-00	RES-CHIP	100K	5%	1/10W
R503	1-216-081-00	METAL CHIP	22K	5%	1/10W
R507	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R508	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R509	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R510	1-216-025-00	RES-CHIP	100	5%	1/10W
R511	1-216-073-00	METAL CHIP	10K	5%	1/10W
R512	1-216-097-00	RES-CHIP	100K	5%	1/10W
R513	1-216-073-00	METAL CHIP	10K	5%	1/10W
R514	1-216-025-00	RES-CHIP	100	5%	1/10W
R517	1-216-105-00	RES-CHIP	220K	5%	1/10W
R518	1-216-097-00	RES-CHIP	100K	5%	1/10W
R519	1-216-097-00	RES-CHIP	100K	5%	1/10W
R520	1-216-049-00	RES-CHIP	1K	5%	1/10W
R521	1-216-049-00	RES-CHIP	1K	5%	1/10W
R523	1-216-049-00	RES-CHIP	1K	5%	1/10W
R526	1-216-097-00	RES-CHIP	100K	5%	1/10W
R527	1-216-097-00	RES-CHIP	100K	5%	1/10W
R528	1-216-097-00	RES-CHIP	100K	5%	1/10W
R529	1-216-097-00	RES-CHIP	100K	5%	1/10W
R530	1-216-097-00	RES-CHIP	100K	5%	1/10W
R531	1-216-081-00	METAL CHIP	22K	5%	1/10W (C5600X)
R532	1-216-097-00	RES-CHIP	100K	5%	1/10W
R535	1-249-417-11	CARBON	1K	5%	1/4WF
R538	1-216-033-00	METAL CHIP	220	5%	1/10W
R540	1-216-097-00	RES-CHIP	100K	5%	1/10W
R541	1-216-097-00	RES-CHIP	100K	5%	1/10W
R542	1-216-097-00	RES-CHIP	100K	5%	1/10W
R543	1-216-097-00	RES-CHIP	100K	5%	1/10W
R544	1-216-049-00	RES-CHIP	1K	5%	1/10W
R545	1-216-025-00	RES-CHIP	100	5%	1/10W
R546	1-216-097-00	RES-CHIP	100K	5%	1/10W
R547	1-216-049-00	RES-CHIP	1K	5%	1/10W
R548	1-216-049-00	RES-CHIP	1K	5%	1/10W (C5600X)
R549	1-216-097-00	RES-CHIP	100K	5%	1/10W (C5300X,C5305)
R551	1-216-097-00	RES-CHIP	100K	5%	1/10W
R552	1-216-105-00	RES-CHIP	220K	5%	1/10W
R553	1-216-097-00	RES-CHIP	100K	5%	1/10W
R554	1-216-097-00	RES-CHIP	100K	5%	1/10W
R555	1-208-806-11	RES-CHIP	10K	0.5%	1/10W
R556	1-208-806-11	RES-CHIP	10K	0.5%	1/10W
R557	1-216-049-00	RES-CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R558	1-216-033-00	METAL CHIP	220	5%	1/10W
R560	1-216-089-00	RES-CHIP	47K	5%	1/10W (C5600X)
R561	1-216-073-00	METAL CHIP	10K	5%	1/10W
R562	1-208-806-11	RES-CHIP	10K	0.5%	1/10W
R563	1-216-025-00	RES-CHIP	100	5%	1/10W
R564	1-216-025-00	RES-CHIP	100	5%	1/10W
R568	1-216-295-00	SHORT	0		
R569	1-216-105-00	RES-CHIP	220K	5%	1/10W (C5305)
R570	1-216-097-00	RES-CHIP	100K	5%	1/10W (C5300X,C5600X)
R571	1-216-089-00	RES-CHIP	47K	5%	1/10W
R572	1-216-089-00	RES-CHIP	47K	5%	1/10W
R573	1-249-421-11	CARBON	2.2K	5%	1/4W F
R574	1-216-081-00	METAL CHIP	22K	5%	1/10W
R576	1-216-105-00	RES-CHIP	220K	5%	1/10W
R580	1-216-025-00	RES-CHIP	100	5%	1/10W
R581	1-216-049-00	RES-CHIP	1K	5%	1/10W
R582	1-216-073-00	METAL CHIP	10K	5%	1/10W
R583	1-216-025-00	RES-CHIP	100	5%	1/10W
R584	1-216-017-00	RES-CHIP	47	5%	1/10W
R585	1-216-089-00	RES-CHIP	47K	5%	1/10W
R586	1-216-073-00	METAL CHIP	10K	5%	1/10W (C5600X)
R587	1-216-073-00	METAL CHIP	10K	5%	1/10W (C5600X)
R588	1-216-097-00	RES-CHIP	100K	5%	1/10W (C5600X)
R589	1-216-085-00	METAL CHIP	33K	5%	1/10W (C5600X)
R594	1-216-049-00	RES-CHIP	1K	5%	1/10W
R601	1-249-387-11	CARBON	3.3	5%	1/4W F
R603	1-216-041-00	METAL CHIP	470	5%	1/10W
R604	1-216-041-00	METAL CHIP	470	5%	1/10W
R621	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R622	1-216-081-00	METAL CHIP	22K	5%	1/10W
R631	1-249-417-11	CARBON	1K	5%	1/4W F
R632	1-249-417-11	CARBON	1K	5%	1/4W F
R701	1-216-049-00	RES-CHIP	1K	5%	1/10W
R702	1-216-025-00	RES-CHIP	100	5%	1/10W
R703	1-216-025-00	RES-CHIP	100	5%	1/10W
R704	1-216-025-00	RES-CHIP	100	5%	1/10W
R705	1-216-025-00	RES-CHIP	100	5%	1/10W
R706	1-216-025-00	RES-CHIP	100	5%	1/10W
R707	1-216-025-00	RES-CHIP	100	5%	1/10W
R708	1-216-025-00	RES-CHIP	100	5%	1/10W
R710	1-216-001-00	METAL CHIP	10	5%	1/10W
R751	1-216-049-00	RES-CHIP	1K	5%	1/10W
R753	1-216-073-00	METAL CHIP	10K	5%	1/10W
R781	1-216-081-00	METAL CHIP	22K	5%	1/10W
R782	1-216-081-00	METAL CHIP	22K	5%	1/10W
		< SWITCH >			
S501	1-571-478-11	SWITCH, SLIDE (FREQUENCY SELECT)(C5600X)			
S551	1-692-431-21	SWITCH, TACTILE (RESET)			
S552	1-771-540-11	SWITCH, PUSH (1 KEY)(NOSE SWITCH)			

Ref. No.	Part No.	Description	Remark
		< THERMISTOR >	
TH501	1-803-350-21	THERMISTOR, POSITIVE	
		< TUNER >	
TU1	A-3220-738-A	TUNER UNIT (TUX-020)	
		< VIBRATOR >	
X501	1-781-294-21	VIBRATOR, CRYSTAL (18.432MHz)	
X502	1-567-098-41	VIBRATOR, CRYSTAL (32.768KHz)	

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KEY BOARD
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	1-694-660-11	CONDUCTIVE BOARD, CONNECTION	
*	3-040-992-01	HOLDER (LCD)	
*	3-040-993-01	PLATE (LCD), LIGHT GUIDE	
*	3-040-997-01	PLATE (LCD), GROUND	
*	3-041-371-02	SHEET (REFLECTOR)	
		< CAPACITOR >	
C951	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C952	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	
C953	1-163-251-11	CERAMIC CHIP 100PF 5.00% 50V	
C954	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C955	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C956	1-164-489-11	CERAMIC CHIP 0.22UF 10.00% 16V	
		< CONNECTOR >	
CN901	1-794-065-21	PLUG, CONNECTOR 14P	
		< DIODE >	
D901	8-719-158-49	DIODE UDZ-TE-17-12B	
D902	8-719-056-82	DIODE UDZ-TE-17-6.2B	
D903	8-719-056-82	DIODE UDZ-TE-17-6.2B	
D904	8-719-056-82	DIODE UDZ-TE-17-6.2B	
D951	8-719-976-99	DIODE UDZ-TE-17-5.1B	
D952	8-719-976-99	DIODE UDZ-TE-17-5.1B	
		< IC >	
IC901	8-759-366-34	IC LC75824E	
IC951	8-749-012-25	IC RS-170-TU	
		< LIQUID CRYSTAL DISPLAY >	
LCD901	1-803-907-11	DISPLAY PANEL, LIQUID CRYSTAL (C5305)	
LCD901	1-803-907-31	DISPLAY PANEL, LIQUID CRYSTAL (C5300X,C5600X)	
		< DIODE >	
LED901	8-719-038-07	DIODE CL-190PG-CD-T (C5305)	
LED901	8-719-061-16	DIODE CL-190SR-CD-T (C5300X,C5600X)	
LED902	8-719-038-07	DIODE CL-190PG-CD-T (C5305)	
LED902	8-719-061-16	DIODE CL-190SR-CD-T (C5300X,C5600X)	
LED903	8-719-038-07	DIODE CL-190PG-CD-T (C5305)	
LED903	8-719-061-16	DIODE CL-190SR-CD-T (C5300X,C5600X)	
LED904	8-719-038-07	DIODE CL-190PG-CD-T (C5305)	
LED904	8-719-061-16	DIODE CL-190SR-CD-T (C5300X,C5600X)	
LED910	8-719-078-19	DIODE LWA673	
LED911	8-719-078-19	DIODE LWA673	
LED912	8-719-078-19	DIODE LWA673	
LED913	8-719-078-19	DIODE LWA673	
LED914	8-719-078-19	DIODE LWA673	
LED915	8-719-078-19	DIODE LWA673	
		< SWITCH >	
LSW901	1-771-609-11	SWITCH, TACT (WITH LED)(OFF)(C5305)	
LSW901	1-771-883-21	SWITCH, TACTILE (WITH LED)(OFF)(C5300X,C5600X)	
LSW902	1-762-619-21	SWITCH, KEY BOARD (WITH LED)(SOURCE)(C5305)	
LSW902	1-771-476-11	SWITCH, KEY BOARD (WITH LED)(SOURCE)(C5300X,C5600X)	
LSW903	1-762-619-21	SWITCH, KEY BOARD (WITH LED)(SOUND)(C5305)	
LSW903	1-771-476-11	SWITCH, KEY BOARD (WITH LED)(SOUND)(C5300X,C5600X)	
LSW904	1-762-619-21	SWITCH, KEY BOARD (WITH LED)(MENU)(C5305)	
LSW904	1-771-476-11	SWITCH, KEY BOARD (WITH LED)(MENU)(C5300X,C5600X)	
LSW905	1-762-619-21	SWITCH, KEY BOARD (WITH LED)(DSPL)(C5305)	
LSW905	1-771-476-11	SWITCH, KEY BOARD (WITH LED)(DSPL)(C5300X,C5600X)	
LSW906	1-762-619-21	SWITCH, KEY BOARD (WITH LED)(MODE ◀I▶)(C5305)	
LSW906	1-771-476-11	SWITCH, KEY BOARD (WITH LED)(MODE ◀I▶)(C5300X,C5600X)	
LSW907	1-762-619-21	SWITCH, KEY BOARD (WITH LED)(ENTER)(C5305)	
LSW907	1-771-476-11	SWITCH, KEY BOARD (WITH LED)(ENTER)(C5300X,C5600X)	
LSW909	1-762-737-11	SWITCH, KEY BOARD (LED)(D-BASS)	
LSW912	1-771-609-11	SWITCH, TACT (WITH LED)(6)(C5305)	
LSW912	1-771-883-21	SWITCH, TACTILE (WITH LED)(6)(C5300X,C5600X)	
LSW913	1-771-609-11	SWITCH, TACT (WITH LED)(5)(C5305)	
LSW913	1-771-883-21	SWITCH, TACTILE (WITH LED)(5)(C5300X,C5600X)	
LSW914	1-771-609-11	SWITCH, TACT (WITH LED)(4)(C5305)	
LSW914	1-771-883-21	SWITCH, TACTILE (WITH LED)(4)(C5300X,C5600X)	
LSW915	1-771-609-11	SWITCH, TACT (WITH LED)(3)(C5305)	
LSW915	1-771-883-21	SWITCH, TACTILE (WITH LED)(3)(C5300X,C5600X)	
LSW916	1-771-609-11	SWITCH, TACT (WITH LED)(SHUF 2)(C5305)	
LSW916	1-771-883-21	SWITCH, TACTILE (WITH LED)(SHUF 2)(5300X,C5600X)	
LSW917	1-771-609-11	SWITCH, TACT (WITH LED)(REP 1)(C5305)	
LSW917	1-771-883-21	SWITCH, TACTILE (WITH LED)(REP 1)(C5300X,C5600X)	
		< RESISTOR >	
R901	1-216-647-11	METAL CHIP 680 0.5% 1/10W	
R902	1-216-647-11	METAL CHIP 680 0.5% 1/10W	
R903	1-216-647-11	METAL CHIP 680 0.5% 1/10W	

KEY

Ref. No.	Part No.	Description			Remark
R904	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R905	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R906	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R907	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W
R908	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W
R909	1-216-667-11	METAL CHIP	4.7K	0.5%	1/10W
R910	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R911	1-208-806-11	RES-CHIP	10K	2%	1/10W
R912	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R913	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R914	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R915	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R916	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R917	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R918	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W
R919	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W
R920	1-216-667-11	METAL CHIP	4.7K	0.5%	1/10W
R921	1-216-807-11	METAL CHIP	68	5%	1/16W (C5305)
R921	1-216-810-11	METAL CHIP	120	5%	1/16W (C5300X,C5600X)
R923	1-216-809-11	METAL CHIP	100	5%	1/16W (C5305)
R923	1-216-812-11	METAL CHIP	180	5%	1/16W (C5300X,C5600X)
R925	1-216-021-00	METAL CHIP	68	5%	1/10W (C5305)
R925	1-216-031-00	METAL CHIP	180	5%	1/10W (C5300X,C5600X)
R927	1-216-029-00	METAL CHIP	150	5%	1/10W (C5305)
R927	1-216-037-00	METAL CHIP	330	5%	1/10W (C5300X,C5600X)
R929	1-216-029-00	METAL CHIP	150	5%	1/10W (C5305)
R929	1-216-033-00	METAL CHIP	220	5%	1/10W (C5300X,C5600X)
R931	1-216-813-11	METAL CHIP	220	5%	1/16W
R932	1-216-813-11	METAL CHIP	220	5%	1/16W
R933	1-216-808-11	METAL CHIP	82	5%	1/16W (C5305)
R933	1-216-813-11	METAL CHIP	220	5%	1/16W (C5300X,C5600X)
R935	1-216-809-11	METAL CHIP	100	5%	1/16W (C5305)
R935	1-216-812-11	METAL CHIP	180	5%	1/16W (C5300X,C5600X)
R938	1-216-809-11	METAL CHIP	100	5%	1/16W
R939	1-216-821-11	METAL CHIP	1K	5%	1/16W (C5300X,C5600X)
R951	1-216-819-11	METAL CHIP	680	5%	1/16W
R952	1-216-021-00	METAL CHIP	68	5%	1/10W
R953	1-216-857-11	METAL CHIP	1M	5%	1/16W
R954	1-216-049-00	RES-CHIP	1K	5%	1/10W
R955	1-216-049-00	RES-CHIP	1K	5%	1/10W
R956	1-216-821-11	METAL CHIP	1K	5%	1/16W
R957	1-216-851-11	METAL CHIP	330K	5%	1/16W
R958	1-216-033-00	METAL CHIP	220	5%	1/10W
R970	1-216-815-11	METAL CHIP	330	5%	1/16W
R971	1-216-815-11	METAL CHIP	330	5%	1/16W
R972	1-216-864-11	METAL CHIP	0	5%	1/16W
R973	1-216-815-11	METAL CHIP	330	5%	1/16W
R975	1-216-815-11	METAL CHIP	330	5%	1/16W
R976	1-216-815-11	METAL CHIP	330	5%	1/16W
R977	1-216-815-11	METAL CHIP	330	5%	1/16W
R981	1-216-864-11	METAL CHIP	0	5%	1/16W
R999	1-216-864-11	METAL CHIP	0	5%	1/16W
		< ROTARY ENCODER >			
RE901	1-475-014-11	ENCODER, ROTARY (JOG)			
		< SWITCH >			
S901	1-771-884-21	SWITCH, TACTILE (WITH LED)(– ⏮ ◀◀)			
S902	1-771-884-21	SWITCH, TACTILE (WITH LED)(DISC+ PRST+)			
S903	1-771-884-21	SWITCH, TACTILE (WITH LED)(+ ▶▶⏭ ▶▶)			
S904	1-771-884-21	SWITCH, TACTILE (WITH LED)(PRST– DISC–)			
**********					
		MISCELLANEOUS			
		**********			
17	1-792-194-21	CORD (WITH CONNECTOR)(POWER)(C5600X)			
17	1-792-194-31	CORD (WITH CONNECTOR)(POWER) (C5300X,C5305)			
63	1-694-660-11	CONDUCTIVE BOARD, CONNECTION			
F781	1-532-877-11	FUSE (BLADE TIPE)(AUTO FUSE)(10A)			
HP901	1-500-157-21	HEAD, MAGNETIC (PLAY BACK)			
LCD901	1-803-907-31	DISPLAY PANEL, LIQUID CRYSTAL			
M901	A-329-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)			
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		**********			
		HARDWARE LIST			
		**********			
#1	7-621-772-20	SCREW +B2X5			
#2	7-685-792-09	SCREW +PTT 2.6X6 (S)			
#3	7-685-793-01	SCREW +PTT 2.6X8 (S)			
#4	7-685-647-11	SCREW +BVTP 3X10 TYPE2 N-S			
#5	7-685-791-01	SCREW +PTT 2.6X5 (S)			
#6	7-685-106-19	SCREW +P 2X10 TYPE 2NON-SLIT			
#7	7-624-104-04	STOP RING 2.0, TYPE -E			
#8	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3			
#9	7-685-791-01	SCREW +PTT 2.6X5 (S)			
#10	7-685-795-01	SCREW +PTT 2.6X12 (S)			
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Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-418-812-11	REMOTE COMMANDER (RM-X91) (C5300X/C5305)	
	1-476-015-11	REMOTE COMMANDER (RM-X74)(C5600X)	
	3-044-361-11	MANUAL, INSTRUCTION (ENGLISH)(C5300X/C5305)	
	3-044-361-21	MANUAL, INSTRUCTION (FRENCH)(C5300X:CND/C5305:CND)	
	3-044-361-31	MANUAL, INSTRUCTION (ENGLISH, SPANISH, CHINESE)(C5600X)	
	3-044-362-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH)(C5300X, C5305)	
	3-044-362-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, CHINESE)(C5600X)	
	3-044-623-01	LID, BATTERY CASE (for RM-X74/X91)	
	X-3378-490-1	CASE (PANEL) ASSY	

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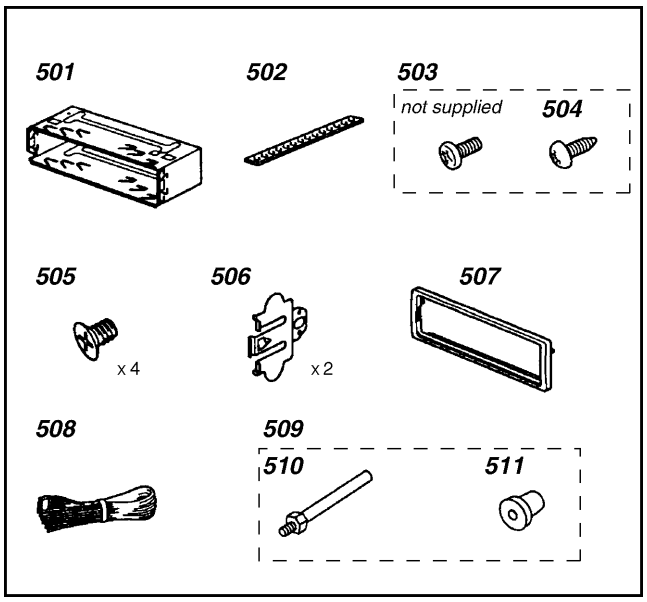
		PARTS FOR INSTALLATION AND CONNECTIONS	
		**********	
501	X-3373-602-1	FRAME ASSY	
502	3-924-961-01	SUPPORT (ND), FITTING (C5300X/C5305)	
503	X-3368-725-1	SCREW ASSY, FITTING (C5300X/C5305)	
504	7-682-160-01	SCREW +P 4X6 (C5300X/C5305)	
505	3-934-325-01	SCREW, +K (5X8) TAPPING	
506	3-233-644-01	SPRING, FITTING	
507	3-040-979-01	COLLAR	
508	1-792-194-21	CORD (WITH CONNECTOR)(POWER)(C5600X)	
508	1-792-194-31	CORD (WITH CONNECTOR)(POWER) (C5300X/C5305)	
509	X-3366-405-1	SCREW ASSY (EXP), FITTING (C5600X)	
510	3-386-828-01	SCREW, FITTING	
511	3-349-410-01	BUSHING	



REVISION HISTORY

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Ver.	Date	Description of Revision
1.1	2001.05	Change of Part No. for SPRING, FITTING (ECN-CSA04727)
1.0	2000.02	New